LIGHT, AIR & SPACE CONSTRUCTION
ENVIRONMENTAL SERVICES COMPANY
State Contractor's License Number 445403
State EPA R.E.A. Number 04072

Project 1012
December 3, 2010

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
Attn: Uday Mandlekar

Subject: Soil Testing Results (SCVWD Project #2624401)
Permanente Creek
Mt. View, California

Dear Mr. Mandlekar,

Light, Air and Space Construction (LA&S) has prepared this report documenting the findings of the agreed Phase II soil sampling and analyses for the subject reach of Permanente Creek. Attached are SCVWD Plan Sheets C-1, C-2, C-3, C-4 and C-13 which show the soil sample locations (SB-1 through SB-11) for the four targeted sites (Site 1, Site 5, Site 57 and Site 67). Besides these plan sheets, the other attachments to this letter are three data summary tables and an appendix containing the certified laboratory reports (TestAmerica and their subcontract labs) and chain-of-custody records.

WORK PERFORMED

The subject soil sampling was conducted on July 21, 2010 using pre-cleaned hand-augering equipment and containers provided by TestAmerica. As agreed, soil was obtained from a depth interval of 5' below the ground surface at all locations except SB-11 on Site 67. For SB-11, five discrete depths were sampled for testing (3', 6', 9', 12' and 15'). The sample depths were selected by the District staff as being the most appropriate for the District requirements.

Based on the District Plan Sheets, District staff located proposed sampling locations prior to LA&S staff beginning the field sampling work. While LA&S staff had the option of moving the proposed sample locations if necessary (due to site conditions), none of the proposed locations were moved. LA&S staff recorded the GPS coordinates of each bore hole as listed in Table 1.

As agreed and based on the Phase I ESA Report recommendations, the testing regimen consisted of the following:

- For Site 1 (City of Mountain View, Charleston Road and Google, 1925 Amphitheatre Parkway) – CAM 17 suite of metals, the EPA Method 8081A suite of pesticides (which includes DDT and other persistent chlorinated compounds), and Title 22 bioassay (for a broad assessment of toxicity under California hazardous waste classification;
- For Site 5 (Richard T Peery Trustee et al, 900 Alta Avenue and 1747 Charleston Road) – chlorinated solvents; and
- For Sites 57 and 67 (City of Mountain View, 1600 Amphitheatre Way and SCVWD, diversion structure) – arsenic, lead and the EPA Method 8081A suite of pesticides.

Upon receipt of the analytical results, LA&S evaluated the findings with respect to commonly used environmental screening levels and California hazardous waste thresholds.

FINDINGS AND COMMENTS

The attached Tables 2 and 3 provide a summary of the subject soil analysis results for metals and pesticides. No chlorinated solvents were detected in any of the Site 5 (Peery Trust) samples. The Site 1 (Mountain View and Google) bioassay tests showed 100% survival in the test organism, so the material classifies as non-toxic with respect to hazardous waste regulations. At the bottom of Tables 2 and 3 we have included three comparative values – the San Francisco Bay Water Board's Environmental Screening Levels (ESLs), CalEPA's California Human Health Screening Levels (CHHSLs), and the California hazardous waste classification Total Threshold Limit Concentrations (TTLCs). ESLs reflect considerations for a variety of exposure risks, whereas CHHSLs were derived for human health risk only. TTLCs come from regulations for waste management/disposal facilities not general land use, with an application trigger being any offsite movement of soil. For lead, the California hazardous waste classification Soluble Threshold Limit Concentrations (STLC) of 5 mg/L is included in the '**' footnote of Table 2.

Most of the CAM 17 metals were detected in at least one of the five Site 1 (Mountain View and Google) samples, and 11 of the metals were detected in all samples (see Table 2). This is not unexpected since metals are naturally-occurring constituents of soil (from their various parent rocks). In LA&S's opinion, all of metal concentrations that were found except lead (and possibly the 130 mg/kg of zinc at SB-3) seem generally consistent with naturally-occurring concentrations for Bay Area soils. Further, none of the total concentrations were even close to hazardous waste TTLC values. The 140 mg/kg of lead at SB-3 exceeds the residential CHHSL health risk screening criteria. Further, the total lead amounts at locations SB-2 and SB-3 were sufficiently elevated to warrant solubility testing, and the SB-4 lead amount was nearly so. Accordingly, Table 2 footnotes these STLC lead results, with the 6.6 mg/L value at SB-3 exceeding California hazardous waste criteria.

The arsenic and lead amounts in the Site 57 (Mountain View) soil samples (SB-6 and SB-7) appear wholly consistent with naturally-occurring concentrations for Bay Area soils and not indicative of contamination.

Except for the 12' sample of location SB-11, we have a similar opinion concerning Site 67 (SCVWD). The 200 mg/kg of lead in that sample exceeds CHHSL health risk screening criteria and warranted a check for soluble lead. The 2.7 mg/L of soluble lead that was measured does not exceed California hazardous waste criteria.

Traces of several chlorinated pesticides, (including DDT degradation products DDE and DDD) were found in essentially all the samples. The highest amounts were at SB-4 on Site 1 (Google) and at the 12' depth of location SB-11 on Site 67 (SCVWD). The detections were all below both health-based screening values and California hazardous waste thresholds. Dieldrin and endrin at SB-4 were above the extremely low leaching-risk screening level. Unlike metals, pesticides are not naturally occurring, although their presence at comparable amounts is widespread in the Bay Area's historically active agricultural setting. Overall, the pesticide residuals do not appear significant to us.

In summary, the subject testing has identified lead as a potential concern at Site 1 (Google), and at Site 67 (SCVWD). Additional sampling and testing is needed to evaluate the impacts at both these properties before conclusions can be drawn on source(s), quantities and mitigation options/costs. Elevated lead is a fairly common contaminant in developed areas, but the metal typically does not penetrate very deeply into undisturbed ground. Soluble lead above the STLC is not necessarily problematic if the soil is kept on-site (or even if used in a contiguous channel project), but if the soil needed to be transported offsite, hazardous waste classifications would come into play.

The subject testing does not indicate contamination of concern at Site 5 (Peery Trust), or at Site 57 (City of Mountain View). Accordingly, further Phase II ESA work at those properties does not appear warranted.

LIMITATIONS

This report was prepared specifically for the subject four 'sites' along Permanente Creek in Mountain View, California, and was performed according to generally accepted local practices for these types of limited environmental investigations. This is in lieu of all warranties, express or implied.

The interpretations and comments made herein are based upon the analytical data and our experience, plus communications with a local landfill representative. Sample locations and laboratory analytical results do not provide a warranty as to the conditions that may exist throughout the creek reach.

It is likely that variation in subsurface conditions, and the types of contaminants which may be observed therein, exist between hole locations. Conditions of the properties may also change over time. Use of this report by third parties not associated with the subject District evaluation is entirely at their own risk.

Report Prepared by:

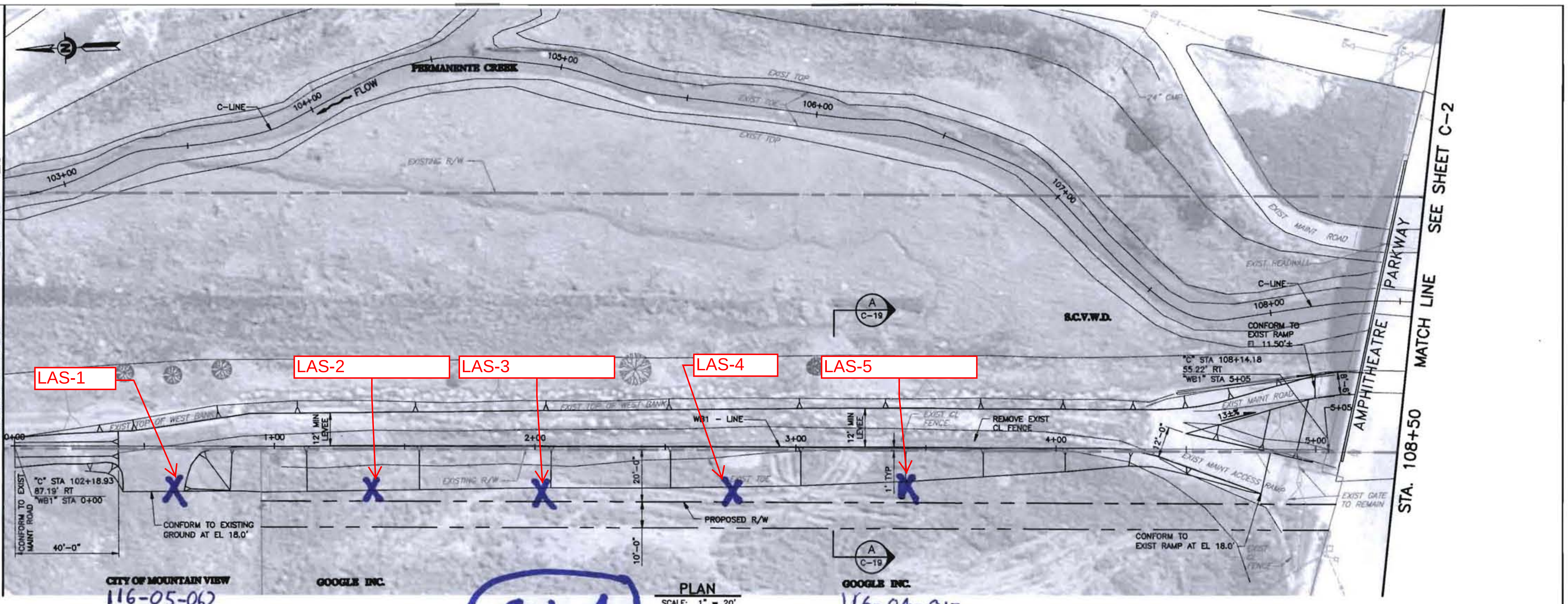
<< *original signed by* >>

David B. Guthridge, Principal

<< *original signed by* >>

Eric R. Lautenbach, C.E. 42437

Attachments:	Site Plans (SCVWD Sheets C-1, C-2, C-3, C-4 and C-13)
	Table 1 – Summary of GPS Readings for Hole Locations
	Table 2 – Summary of Soil Metal Analyses Data
	Table 3 – Summary of Soil Pesticide Data
	Appendix – Analytical Reports & Chain-of-Custody Records

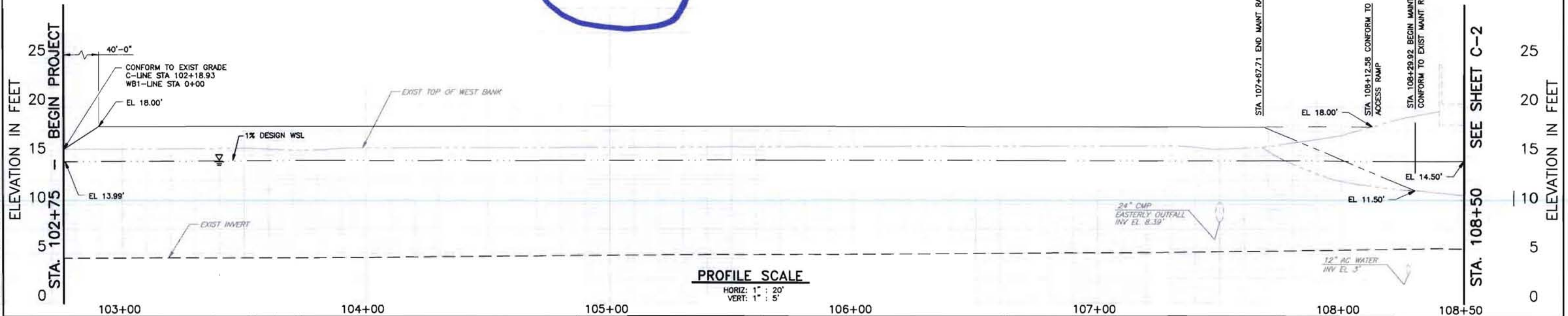


116-05-062

Site 1

PLAN
SCALE: 1" = 20'

116-04-017



PROFILE SCALE
HORIZ: 1" : 20'
VERT: 1" : 5'

REV	DESCRIPTION	DATE	APPR.
	60% DESIGN **2-23-2010**		

REFERENCE INFORMATION AND NOTES
1. DESIGN 1% FLOWRATE IS 1200 CFS
2. FOR CONTROL LINES WB1 AND C-LINE, SEE SURVEY LAYOUT SHEETS G-5

DATE: FEB 2010
DESIGN: G. LAU
DRAWN: J. CORDOVA
CHECKED: S. HOSSEINI

ENGINEERING CERTIFICATION
GORDON M. LAU
No. C 45089
EXP. 6/30/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:
PERMANENTE CREEK
FLOOD PROTECTION PROJECT
PLAN AND PROFILE
LEVEE

SCALE: AS SHOWN
VERIFY SCALES
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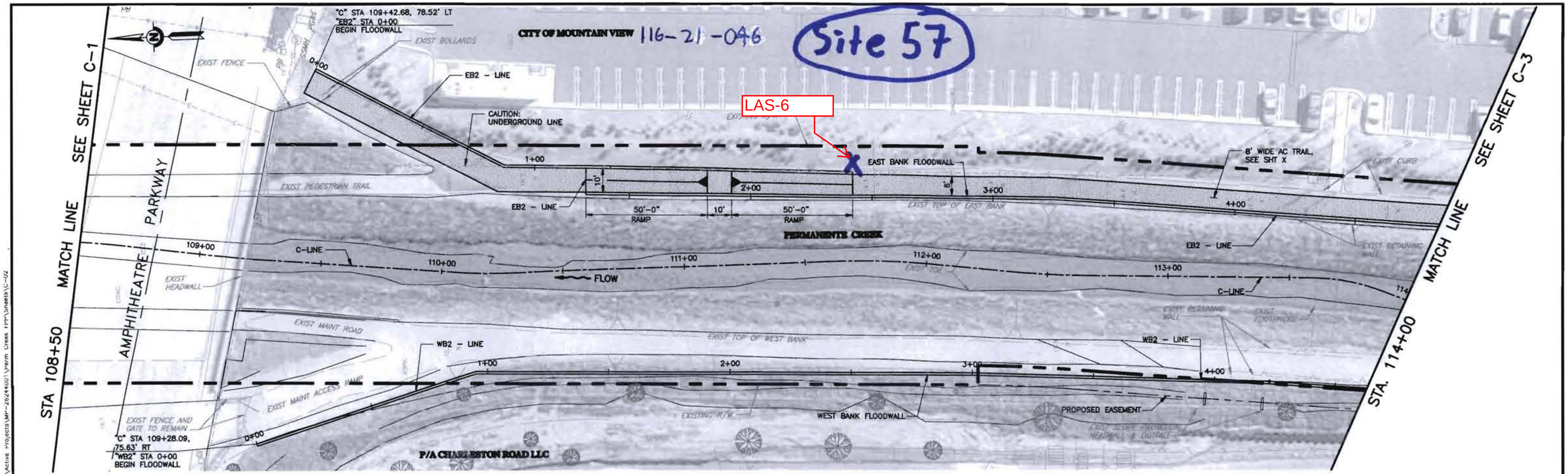
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER: 26244001
SHEET CODE: C-1
PAGE NUMBER: 12 OF 68

FILENAME: K:\Active Projects\MF-26244001\Perm Creek PPP\Sheets\C-02

DOCUMENT NUMBER: PEM_LP-C-1024-00000000.00



PLAN

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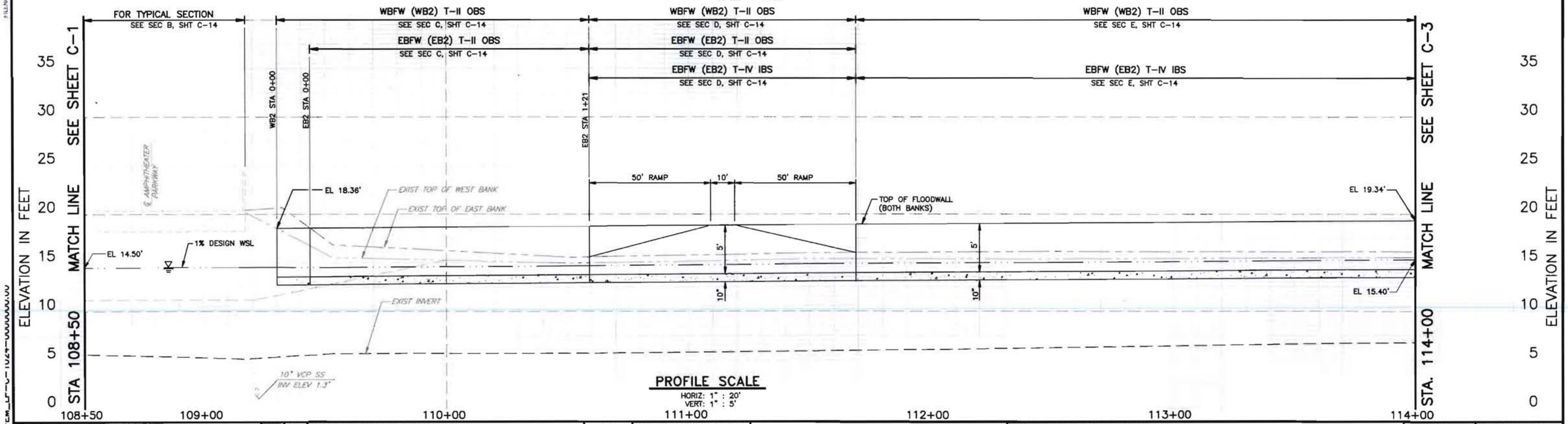

PROFILE SCALE

HORIZ: 1" : 20'
VERT: 1" : 5'

REV	DESCRIPTION	DATE	APPR
	60% DESIGN 2-23-2010		

REFERENCE INFORMATION AND NOTES

1. DESIGN 1% FLOWRATE IS 1200 CFS
2. FOR CONTROL LINES EB2, WB2 AND C-LINE, SEE SURVEY LAYOUT SHEET G-5.
3. ONLY WEST BANK TREES WERE SUEVEYED AND SHOWN.
4. TREES NOT LABELED FOR REMOVAL MAY BE REMOVED WITH ENGINEER'S APPROVAL.
5. TREES NOT LABELED OR APPROVED FOR REMOVAL SHALL BE PROTECTED FROM CONSTRUCTION OPERATIONS.

DATE: FEB 2010
DESIGN: G. LAU
DRAWN: D. BETTENDORF
CHECKED: S. HOSSEINI

ENGINEERING CERTIFICATION
GORDON M. LAU
No. C 45089
EXP. 6/30/10
PROJECT ENGINEER
DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

PERMANENTE CREEK FLOOD PROTECTION PROJECT

PLAN AND PROFILE FLOODWALL

SCALE: AS SHOWN

VERIFY SCALES
0 1"
BAR IS ONE INCH ON ORIGINAL DRAWING
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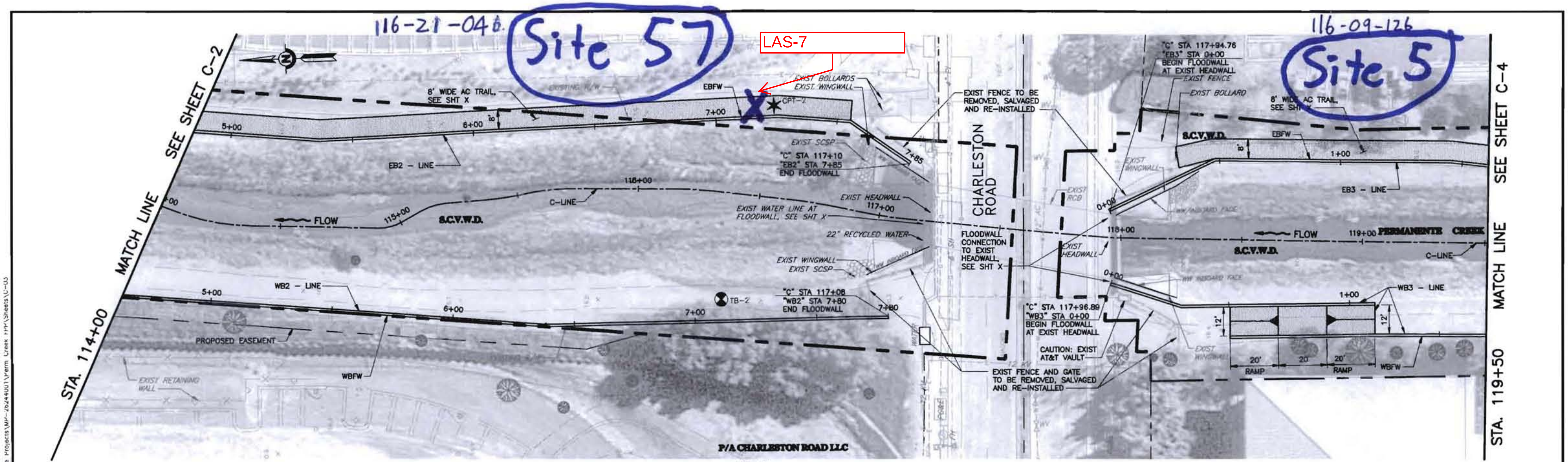
PROJECT NUMBER: 26244001

SHEET CODE: C-2

PAGE NUMBER: 13 OF 68



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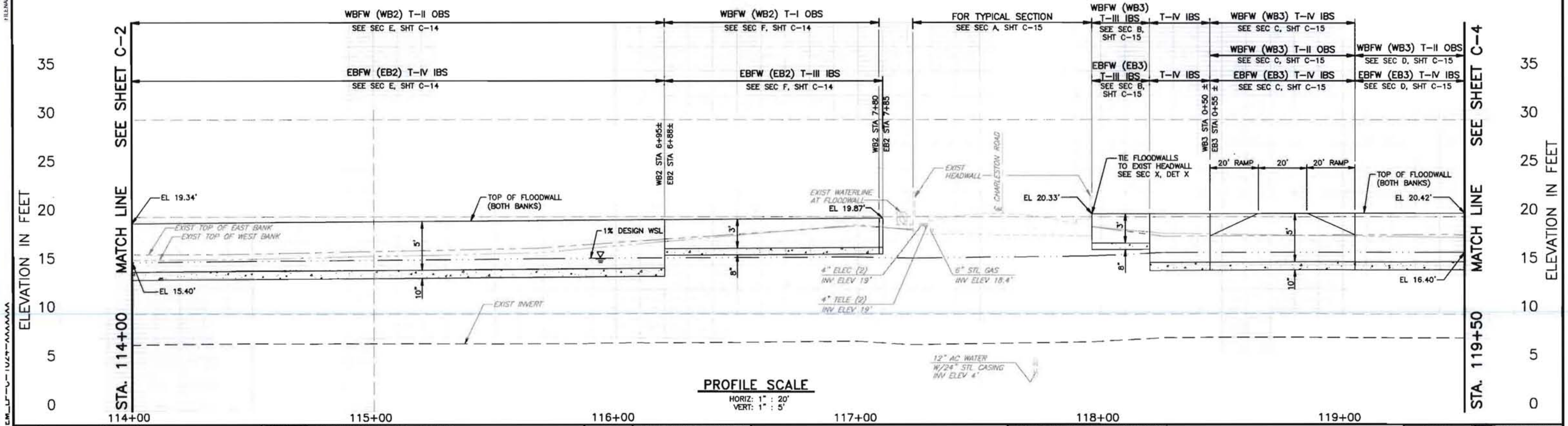

PROFILE SCALE
HORIZ: 1" : 20'
VERT: 1" : 5'

REV	DESCRIPTION	DATE	APPR.
	60% DESIGN **2-23-2010**		

REFERENCE INFORMATION AND NOTES
1. FOR CONTROL LINES EB2, EB3, WB2, WB3 AND C-LINE, SEE SURVEY LAYOUT SHEET G-5.
2. ONLY WEST BANK TREES WERE SUEVEYED AND SHOWN.
3. TREES NOT LABELED FOR REMOVAL MAY BE REMOVED WITH ENGINEER'S APPROVAL.
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DATE: FEB 2010
DESIGN: G. LAU
DRAWN: D. BETTENDORF
CHECKED: S. HOSSEINI

ENGINEERING CERTIFICATION
GORDON M. LAU
No. C 45089
EXP. 6/30/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

PERMANENTE CREEK FLOOD PROTECTION PROJECT

PLAN AND PROFILE FLOODWALL

SCALE: AS SHOWN

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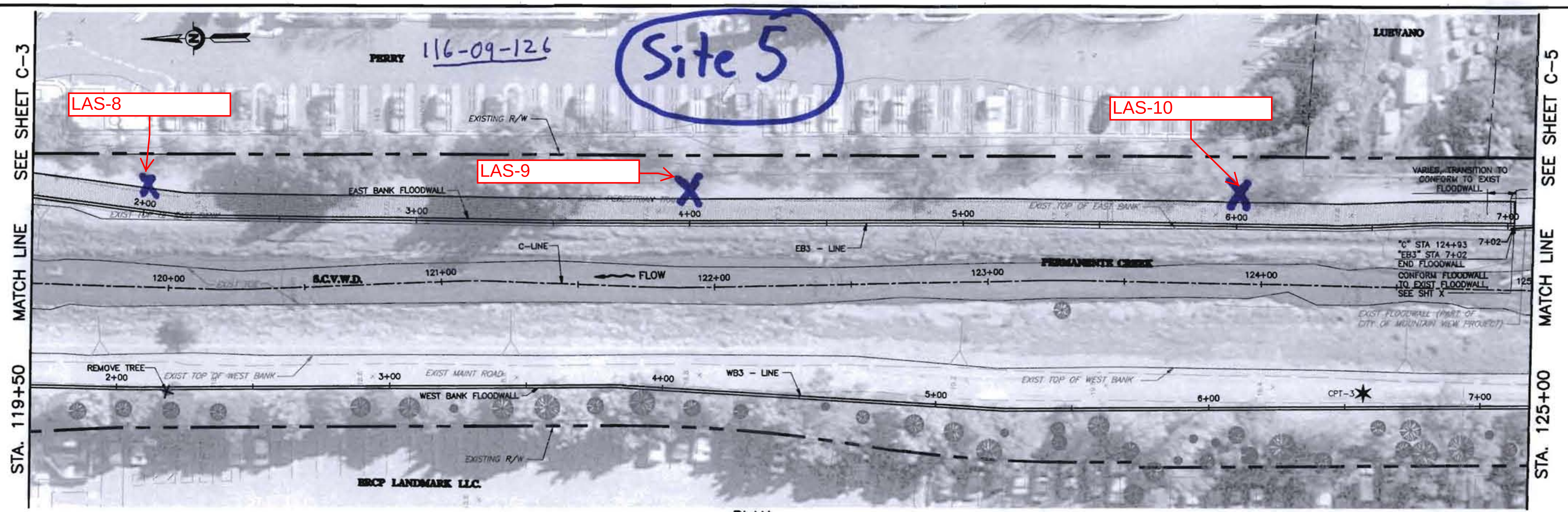
SHEET CODE: C-3
PAGE NUMBER: 14 OF 68



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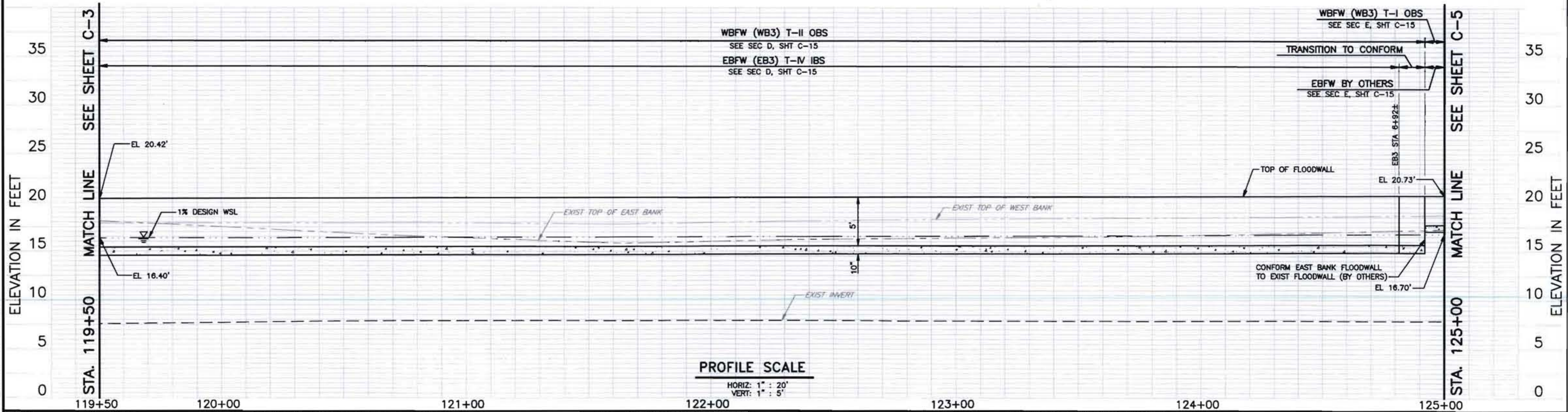

PROFILE SCALE
HORIZ: 1" : 20'
VERT: 1" : 5'

REV	DESCRIPTION	DATE	APPR.
	60% DESIGN 2-23-2010		

REFERENCE INFORMATION AND NOTES

1. DESIGN 1% FLOWRATE IS 1200 CFS.
2. FOR CONTROL LINES EB-3, WB-3 AND C-LINE, SEE SURVEY LAYOUT SHEET G-6.
3. ONLY WEST BANK TREES WERE SUEVEYED AND SHOWN.
4. TREES NOT LABELED FOR REMOVAL MAY BE REMOVED WITH ENGINEER'S APPROVAL.
5. TREES NOT LABELED OR APPROVED FOR REMOVAL SHALL BE PROTECTED FROM CONSTRUCTION OPERATIONS.

DATE	FEB 2010
DESIGN	G. LAU
DRAWN	J. CORDOVA
CHECKED	S. HOSSEINI

ENGINEERING CERTIFICATION
GORDON M. LAU
No. C 45089
EXP. 6/30/10
PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

PERMANENTE CREEK FLOOD PROTECTION PROJECT

PLAN AND PROFILE FLOODWALL

SCALE
AS SHOWN

VERIFY SCALES
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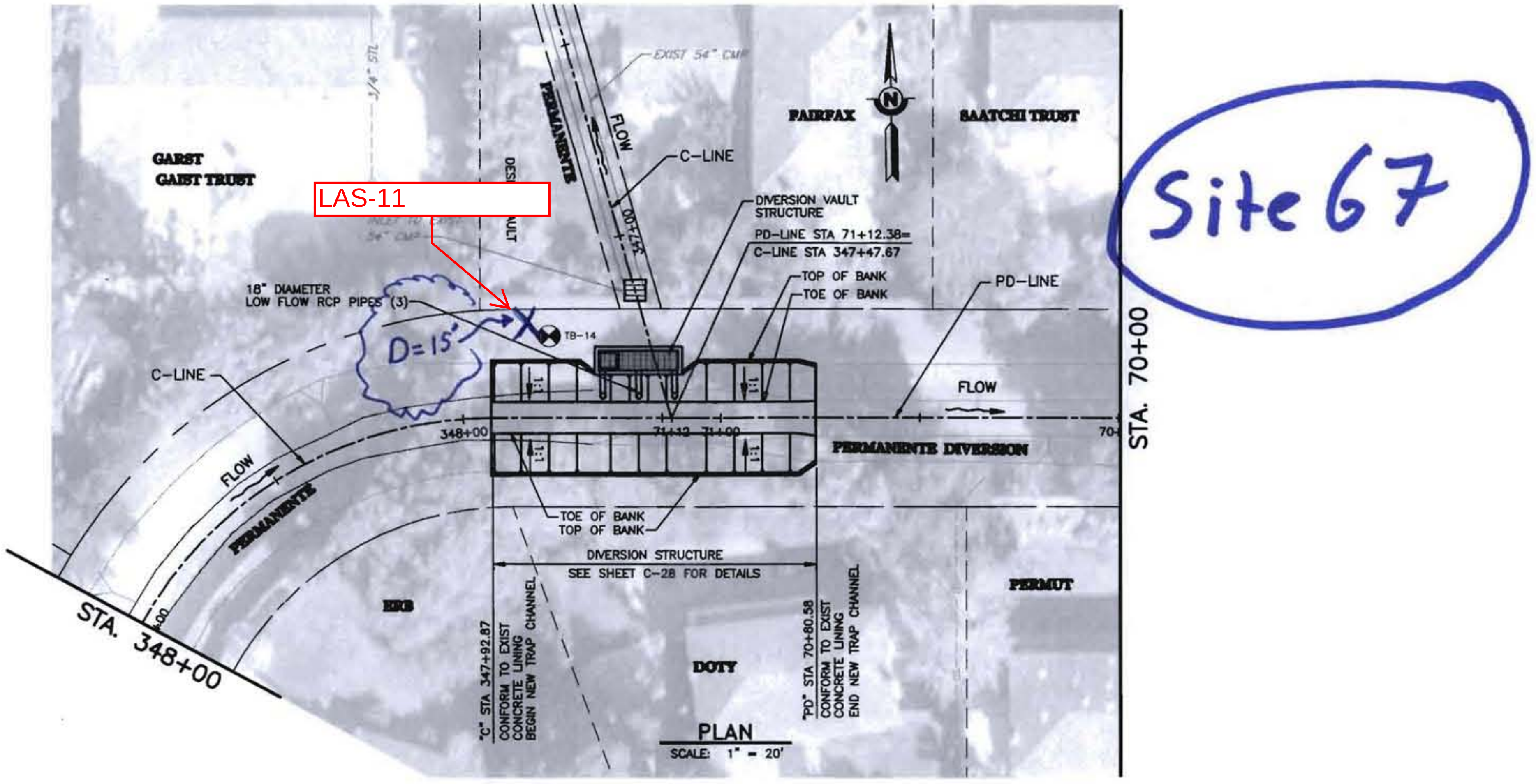
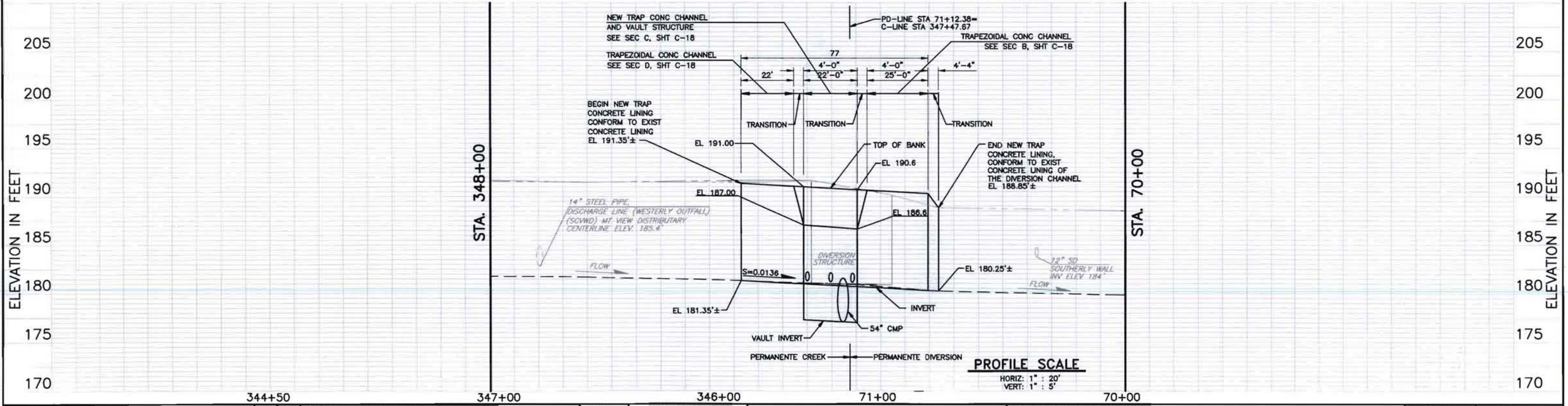
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

PROJECT NUMBER
26244001

SHEET CODE:
C-4





205
200
195
190
185
180
175
170
ELEVATION IN FEET
STA. 348+00
STA. 70+00
NEW TRAP CONC CHANNEL AND VAULT STRUCTURE SEE SEC C, SHT C-18
PD-LINE STA 71+12.38=
C-LINE STA 347+47.67
TRAPEZOIDAL CONC CHANNEL SEE SEC B, SHT C-18
TRAPEZOIDAL CONC CHANNEL SEE SEC D, SHT C-18
77
4'-0"
22'
22'-0"
4'-0"
25'-0"
4'-4"
BEGIN NEW TRAP CONCRETE LINING CONFORM TO EXIST CONCRETE LINING EL 191.35'±
TRANSITION
TRANSITION
TRANSITION
EL 191.00
TOP OF BANK
EL 190.6
END NEW TRAP CONCRETE LINING, CONFORM TO EXIST CONCRETE LINING OF THE DIVERSION CHANNEL EL 188.85'±
EL 187.00
EL 186.6
14" STEEL PIPE, DISCHARGE LINE (WESTERLY OUTFALL) (SCVWD) MT. VIEW DISTRIBUTARY CENTERLINE ELEV. 185.4'
DIVERSION STRUCTURE
FLOW
S=0.0136
EL 180.25'±
12" SD SOUTHERLY WALL INV ELEV 184'
FLOW
EL 181.35'±
INVERT
54" CMP
VAULT INVERT
PERMANENTE CREEK
PERMANENTE DIVERSION
PROFILE SCALE
HORIZ: 1" : 20'
VERT: 1" : 5'
344+50
347+00
346+00
71+00
70+00

FILENAME: K:\Active Projects\MP-26244001\Perm Creek FPP\Sheets\C-13

DOCUMENT NUMBER: PEM_LP-C-1024-000000.00

REV	DESCRIPTION	DATE	APPR.
	60% DESIGN **2-23-2010**		

REFERENCE INFORMATION AND NOTES

1. PERMANENTE CREEK D/S OF STATION 347+50: DESIGN 1% FLOWRATE IS 400 CFS
2. PERMANENTE CREEK U/S OF STATION 347+50: DESIGN 1% FLOWRATE IS 2000 CFS
3. PERMANENTE DIVERSION D/S OF STATION 71+12: DESIGN 1% FLOWRATE IS 1600 CFS
4. FOR CONTROL LINE C-LINE, SEE SURVEY LAYOUT SHEET G-11

DATE	FEB 2010
DESIGN	G. LAU
DRAWN	R. AGREDA J. CORDOVA
CHECKED	S. HOSSEINI

ENGINEERING CERTIFICATION

GORDON M. LAU
No. C 45089
EXP. 6/30/10

PROJECT ENGINEER DATE

Santa Clara Valley Water District

PROJECT NAME AND SHEET DESCRIPTION:

PERMANENTE CREEK
FLOOD PROTECTION PROJECT

PERMANENTE DIVERSION
PLAN AND PROFILE

SCALE	AS SHOWN
PROJECT NUMBER	26244001
VERIFY SCALES	0 1" BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
SHEET CODE:	C-13
PAGE NUMBER:	24 OF 68

Table 1
SOIL SAMPLE LOCATION DATA
PERMANENTE CREEK

LOCATION	Date	GPS LATITUDE (N) (Decimal Deg)	GPS LONGITUDE (W) (Decimal Deg)	COMMENTS
SB-1	7-21-10	37.42478	122.08671	Site 1 (City of Mtn View, Charleston Rd)
SB-2	7-21-10	37.42455	122.08669	Site 1 (Google, 1925 Amphitheatre Parkway)
SB-3	7-21-10	37.42439	122.08670	Site 1 (Google, 1925 Amphitheatre Parkway)
SB-4	7-21-10	37.42421	122.08669	Site 1 (Google, 1925 Amphitheatre Parkway)
SB-5	7-21-10	37.42401	122.08671	Site 1 (Google, 1925 Amphitheatre Parkway)
SB-6	7-21-10	37.42396	122.08672	Site 57 (City of Mtn View, 1600 Amphitheatre Way)
SB-7	7-21-10	37.42126	122.08656	Site 57 (City of Mtn View, 1600 Amphitheatre Way)
SB-8	7-21-10	37.42052	122.08660	Site 5 (Peery Trust, 1747 Charleston Road)
SB-9	7-21-10	37.41983	122.08663	Site 5 (Peery Trust, 1747 Charleston Road)
SB-10	7-21-10	37.36181	122.08641	Site 5 (Peery Trust, 1747 Charleston Road)
SB-11	7-21-10	37.41940	122.08664	Site 67 (SCVWD, diversion structure)

Table 2
SOIL METAL ANALYSES DATA - JULY 2010
PERMANENTE CREEK

concentrations in parts per million (ppm)

Hole # & Depth (ft)	Antimony	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury	Nickel	Thallium	Vanadium	Zinc	Other*
SB-1 5'	<0.52	**4.0**	170	0.79	54	10	33	8.4	0.078	52	<0.52	**48**	48	ND
SB-2 5'	0.92	**2.4**	150	0.36	110	12	56	76**	0.077	73	<0.49	**57**	74	ND
SB-3 5'	1.1	**2.7**	190	0.59	98	13	50	140**	0.40	73	<0.53	**64**	130	ND
SB-4 5'	0.65	**3.6**	170	0.41	98	14	45	49	0.12	75	0.69	**65**	70	ND
SB-5 5'	<0.51	**2.3**	160	0.42	50	9.3	27	7.5	0.11	43	0.57	**54**	51	ND
SB-6 5'	---	**4.5**	---	---	---	---	---	9.3	---	---	---	---	---	---
SB-7 5'	---	**4.5**	---	---	---	---	---	9.1	---	---	---	---	---	---
SB-11 3'	---	**3.3**	---	---	---	---	---	8.0	---	---	---	---	---	---
6'	---	**2.5**	---	---	---	---	---	6.9	---	---	---	---	---	---
9'	---	**2.5**	---	---	---	---	---	9.1	---	---	---	---	---	---
12'	---	**4.2**	---	---	---	---	---	200**	---	---	---	---	---	---
15'	---	**2.7**	---	---	---	---	---	8.6	---	---	---	---	---	---
ESL	6.3	0.39	750	1.7	750	40	230	200	1.3	150	1.3	16	600	(various)
CHHSL	30	0.07	5,200	1.7	100,000	660	3,000	80	18	1,600	5.0	530	23,000	(various)
TTLC	500	500	10,000	100	2,500	8,000	2,500	1,000	20	2,000	700	2,400	5,000	(various)

Notes:

ESL	Environmental Screening Level, near-surface residential soil (RWQCB-SF, May 2008, Table A)
ND	Not Detected
CHHSL	California Human Health Screening Level, residential soil (Cal-EPA, Jan 2005; with Sept 2009 revision for lead)
TTLC	Total Threshold Limit Concentration (and STLC, Soluble Threshold Limit Concentration); thresholds for California hazwaste classification
*	Beryllium (except SB-2, 0.17 mg/kg), Molybdenum, Selenium & Silver (except SB-3, 0.29 mg/kg)
**	Since total lead exceeded 10x STLC, the WET STLC test was performed: SB-2, 4.1 mg/L; SB-3, 6.6 mg/L; and SB-11 @12', 2.7 mg/L. Lead STLC is 5.0 mg/L
4.5	Concentration above ESL & CHHSL; but arsenic concentration up to 12 mg/kg is recognized as 'background' and wholly acceptable to DTSC/Cal-EPA
🟨	Concentration above CHHSL
65	Concentration above ESL; but realitively consistent detections appear to LAS to reflect 'background' conditions

Table 3
SOIL PESTICIDE ANALYSES DATA - JULY 2010
PERMANENTE CREEK

concentrations in parts per million (ppm)

Hole # & Depth (ft)	Diedrin	Endrin	Heptachlor	Heptachlor Epoxide	DDT	DDE	DDD	alpha-Chlordane	gamma-Chlordane	Other*
SB-1 5'	0.00071	<0.0004	<0.0004	<0.0004	0.0036	0.0043	0.00078	0.0021	0.0023	ND
SB-2 5'	0.0012	<0.0004	<0.0004	0.00097	0.015	0.0057	0.0018	0.0074	0.0090	ND
SB-3 5'	0.0021	<0.0004	<0.0004	0.0013	0.027	0.017	0.0040	<0.0005	<0.0005	ND
SB-4 5'	**0.011**	**0.021**	<0.0016	0.0088	0.18	0.11	0.016	0.059	0.049	ND
SB-5 5'	<0.0004	<0.0004	<0.0004	<0.0004	0.00076	0.0020	<0.0004	<0.0004	<0.0004	ND
SB-6 5'	<0.0004	<0.0004	<0.0004	<0.0004	0.00074	0.00049	<0.0004	<0.0004	<0.0004	ND
SB-7 5'	0.00057	<0.0004	<0.0004	<0.0004	0.0010	<0.0004	<0.0004	0.00079	<0.0004	ND
SB-11 3'	<0.0004	<0.0004	<0.0004	<0.0004	0.00045	0.0013	<0.0004	<0.0004	<0.0004	ND
6'	<0.0004	<0.0004	<0.0004	<0.0004	0.0021	0.012	0.0015	0.00051	0.00058	ND
9'	<0.0004	<0.0004	<0.0004	<0.0004	0.0013	0.0080	0.0012	0.00069	0.00064	ND
12'	<0.0020	<0.0020	<0.0020	<0.0020	0.16	0.23	0.026	0.0043	0.0044	ND
15'	<0.0004	<0.0004	<0.0004	<0.0004	0.0016	0.010	0.0016	0.00072	0.00075	ND
ESL	0.0023	0.00065	0.013	0.014	1.7	1.7	2.4	0.44	0.44	(various)
CHHSL	0.035	21	0.13	0.13	1.6	1.6	2.3	0.43	0.43	(various)
TTLC	8.0	0.2	4.7	4.7	1.0	1.0	1.0	2.5	2.5	(various)

Notes:

ESL	Environmental Screening Level, near-surface residential soil (RWQCB-SF, May 2008, Table A); Chlordane is total concentration
CHHSL	California Human Health Screening Level, residential soil (Cal-EPA, Jan 2005); Heptachlor & Chlordane are total concentrations
TTLC	Total Threshold Limit Concentration (threshold for California hazwaste classification); Heptachlor, DDT & Chlordane all for total amounts
*	EPA Method 8081A chlorinated pesticides, see lab report for full list
ND	Not Detected; except for SB-3, 0.00057 mg/kg of hexachlorobenzene and SB-4, 0.0030 mg/kg of Endosulfan I
0.021	Concentration above ESL, but not CHHSL or TTLC; groundwater risk due to potential leaching, not direct human exposure risk

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories Inc.
TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-29481-1
Client Project/Site: Permanente Creek

For:
Santa Clara Valley Water Dist
5750 Almaden Expressway
San Jose, California 95118-3614

Attn: Errol Gibrielson

Surinder Sidhu

Authorized for release by:
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Table of Contents

Cover Page 1
Table of Contents 2
Definitions 3
Case Narrative 4
Detection Summary 5
Client Sample Results 9
QC Sample Results 22
QC Association 36
Certification Summary 39
Method Summary 40
Sample Summary 41
Chain of Custody 42
Sample Receipt Checklist 45

Qualifier Definition/Glossary

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits
F	RPD of the MS and MSD exceeds the control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Job Narrative
720-29481-1

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

GC/MS VOA
Method(s) 8260B: Internal standard 1,4-dichlorobenzene-d4 response was outside of acceptance limits for the following samples 720-29481-9 & 10. The sample show evidence of matrix interference; confirmed by analysis.

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 75283 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 75198 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 85181 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 75166 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client Sample ID: 1012 SB-1 — Lab Sample ID: 720-29481-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.71		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDT	3.6		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDE	4.3		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDD	0.78		0.40		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	2.1		0.40		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	2.3		0.40		ug/Kg	1		8081A	Total/NA
Arsenic	4.0		1.0		mg/Kg	1		6010B	Total/NA
Barium	170		0.52		mg/Kg	1		6010B	Total/NA
Cadmium	0.79		0.13		mg/Kg	1		6010B	Total/NA
Chromium	54		0.52		mg/Kg	1		6010B	Total/NA
Cobalt	10		0.21		mg/Kg	1		6010B	Total/NA
Copper	33		1.6		mg/Kg	1		6010B	Total/NA
Lead	8.4		0.52		mg/Kg	1		6010B	Total/NA
Nickel	52		0.52		mg/Kg	1		6010B	Total/NA
Vanadium	48		0.52		mg/Kg	1		6010B	Total/NA
Zinc	48		1.6		mg/Kg	1		6010B	Total/NA
Mercury	0.078		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: 1012 SB-2 — Lab Sample ID: 720-29481-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	1.2		0.40		ug/Kg	1		8081A	Total/NA
Heptachlor epoxide	0.97		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDT	15		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDE	5.7		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.8		0.40		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	7.4		0.40		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	9.0		0.40		ug/Kg	1		8081A	Total/NA
Antimony	0.92		0.49		mg/Kg	1		6010B	Total/NA
Arsenic	2.4		0.98		mg/Kg	1		6010B	Total/NA
Barium	150		0.49		mg/Kg	1		6010B	Total/NA
Beryllium	0.17		0.098		mg/Kg	1		6010B	Total/NA
Cadmium	0.36		0.12		mg/Kg	1		6010B	Total/NA
Chromium	110		0.49		mg/Kg	1		6010B	Total/NA
Cobalt	12		0.20		mg/Kg	1		6010B	Total/NA
Copper	56		1.5		mg/Kg	1		6010B	Total/NA
Lead	76		0.49		mg/Kg	1		6010B	Total/NA
Nickel	73		0.49		mg/Kg	1		6010B	Total/NA
Vanadium	57		0.49		mg/Kg	1		6010B	Total/NA
Zinc	74		1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.077		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: 1012 SB-3 — Lab Sample ID: 720-29481-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	2.1		0.40		ug/Kg	1		8081A	Total/NA
Heptachlor epoxide	1.3		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDT	27		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDE	17		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDD	4.0		0.40		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	18		0.40		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	14		0.40		ug/Kg	1		8081A	Total/NA
Hexachlorobenzene	0.57		0.40		ug/Kg	1		8081A	Total/NA
Antimony	1.1		0.53		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-3 (Continued) Lab Sample ID: 720-29481-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.7		1.1		mg/Kg	1		6010B	Total/NA
Barium	190		0.53		mg/Kg	1		6010B	Total/NA
Cadmium	0.59		0.13		mg/Kg	1		6010B	Total/NA
Chromium	98		0.53		mg/Kg	1		6010B	Total/NA
Cobalt	13		0.21		mg/Kg	1		6010B	Total/NA
Copper	50		1.6		mg/Kg	1		6010B	Total/NA
Lead	140		0.53		mg/Kg	1		6010B	Total/NA
Nickel	73		0.53		mg/Kg	1		6010B	Total/NA
Silver	0.29		0.26		mg/Kg	1		6010B	Total/NA
Vanadium	64		0.53		mg/Kg	1		6010B	Total/NA
Zinc	130		1.6		mg/Kg	1		6010B	Total/NA
Mercury	0.40		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: 1012 SB-4 Lab Sample ID: 720-29481-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	11		1.6		ug/Kg	4		8081A	Total/NA
Endrin	21		1.6		ug/Kg	4		8081A	Total/NA
Heptachlor epoxide	8.8		1.6		ug/Kg	4		8081A	Total/NA
4,4'-DDT	180		1.6		ug/Kg	4		8081A	Total/NA
4,4'-DDE	110		1.6		ug/Kg	4		8081A	Total/NA
4,4'-DDD	16		1.6		ug/Kg	4		8081A	Total/NA
Endosulfan I	3.0		1.6		ug/Kg	4		8081A	Total/NA
alpha-Chlordane	59		1.6		ug/Kg	4		8081A	Total/NA
gamma-Chlordane	49		1.6		ug/Kg	4		8081A	Total/NA
Antimony	0.65		0.52		mg/Kg	1		6010B	Total/NA
Arsenic	3.6		1.0		mg/Kg	1		6010B	Total/NA
Barium	170		0.52		mg/Kg	1		6010B	Total/NA
Cadmium	0.41		0.13		mg/Kg	1		6010B	Total/NA
Chromium	98		0.52		mg/Kg	1		6010B	Total/NA
Cobalt	14		0.21		mg/Kg	1		6010B	Total/NA
Copper	45		1.5		mg/Kg	1		6010B	Total/NA
Lead	49		0.52		mg/Kg	1		6010B	Total/NA
Nickel	75		0.52		mg/Kg	1		6010B	Total/NA
Thallium	0.69		0.52		mg/Kg	1		6010B	Total/NA
Vanadium	65		0.52		mg/Kg	1		6010B	Total/NA
Zinc	70		1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.12		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: 1012 SB-5 Lab Sample ID: 720-29481-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.76		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDE	2.0		0.40		ug/Kg	1		8081A	Total/NA
Arsenic	2.3		1.0		mg/Kg	1		6010B	Total/NA
Barium	160		0.51		mg/Kg	1		6010B	Total/NA
Cadmium	0.42		0.13		mg/Kg	1		6010B	Total/NA
Chromium	50		0.51		mg/Kg	1		6010B	Total/NA
Cobalt	9.3		0.20		mg/Kg	1		6010B	Total/NA
Copper	27		1.5		mg/Kg	1		6010B	Total/NA
Lead	7.5		0.51		mg/Kg	1		6010B	Total/NA
Nickel	43		0.51		mg/Kg	1		6010B	Total/NA
Thallium	0.57		0.51		mg/Kg	1		6010B	Total/NA
Vanadium	54		0.51		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-5 (Continued) — Lab Sample ID: 720-29481-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	51		1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.11		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: 1012 SB-6 — Lab Sample ID: 720-29481-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.74		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDE	0.49		0.40		ug/Kg	1		8081A	Total/NA
Lead	9.3		0.52		mg/Kg	1		6010B	Total/NA
Arsenic	4.5		1.0		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-7 — Lab Sample ID: 720-29481-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.57		0.39		ug/Kg	1		8081A	Total/NA
4,4'-DDT	1.0		0.39		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	0.79		0.39		ug/Kg	1		8081A	Total/NA
Lead	9.1		0.50		mg/Kg	1		6010B	Total/NA
Arsenic	4.5		1.0		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-8 — Lab Sample ID: 720-29481-8

Analyte	Result	Qualifier			Unit	Dil Fac	D	Method	Prep Type
No Detections.									

Client Sample ID: 1012 SB-9 — Lab Sample ID: 720-29481-9

Analyte	Result	Qualifier			Unit	Dil Fac	D	Method	Prep Type
No Detections.									

Client Sample ID: 1012 SB-10 — Lab Sample ID: 720-29481-10

Analyte	Result	Qualifier			Unit	Dil Fac	D	Method	Prep Type
No Detections.									

Client Sample ID: 1012 SB-11-3' — Lab Sample ID: 720-29481-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	0.45		0.39		ug/Kg	1		8081A	Total/NA
4,4'-DDE	1.3		0.39		ug/Kg	1		8081A	Total/NA
Lead	8.0		0.50		mg/Kg	1		6010B	Total/NA
Arsenic	3.3		0.99		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-11-6' — Lab Sample ID: 720-29481-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	2.1		0.39		ug/Kg	1		8081A	Total/NA
4,4'-DDE	12		0.39		ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.5		0.39		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	0.51		0.39		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	0.58		0.39		ug/Kg	1		8081A	Total/NA
Lead	6.9		0.50		mg/Kg	1		6010B	Total/NA
Arsenic	2.5		1.0		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-11-9' Lab Sample ID: 720-29481-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.3		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDE	8.0		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.2		0.40		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	0.69		0.40		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	0.64		0.40		ug/Kg	1		8081A	Total/NA
Lead	9.1		0.51		mg/Kg	1		6010B	Total/NA
Arsenic	2.5		1.0		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-11-12' Lab Sample ID: 720-29481-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	160		2.0		ug/Kg	5		8081A	Total/NA
4,4'-DDE	230		2.0		ug/Kg	5		8081A	Total/NA
4,4'-DDD	26		2.0		ug/Kg	5		8081A	Total/NA
alpha-Chlordane	4.3		2.0		ug/Kg	5		8081A	Total/NA
gamma-Chlordane	4.4		2.0		ug/Kg	5		8081A	Total/NA
Lead	200		0.51		mg/Kg	1		6010B	Total/NA
Arsenic	4.2		1.0		mg/Kg	1		6010B	Total/NA

Client Sample ID: 1012 SB-11-15' Lab Sample ID: 720-29481-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDT	1.6		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDE	10		0.40		ug/Kg	1		8081A	Total/NA
4,4'-DDD	1.6		0.40		ug/Kg	1		8081A	Total/NA
alpha-Chlordane	0.72		0.40		ug/Kg	1		8081A	Total/NA
gamma-Chlordane	0.75		0.40		ug/Kg	1		8081A	Total/NA
Lead	8.6		0.51		mg/Kg	1		6010B	Total/NA
Arsenic	2.7		1.0		mg/Kg	1		6010B	Total/NA

Analytical Data

Client: Santa Clara Valley Water Dist
Project/Site: Permanente Creek

TestAmerica Job ID: 720-29481-1

Client Sample ID: 1012 SB-1

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45

Lab Sample ID: 720-29481-1
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Dieldrin	**0.71**		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Heptachlor epoxide	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
4,4'-DDT	**3.6**		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
4,4'-DDE	**4.3**		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
4,4'-DDD	**0.78**		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Toxaphene	ND		7.9		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
alpha-Chlordane	**2.1**		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
gamma-Chlordane	**2.3**		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1
Hexachlorobenzene	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 21:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*54 - 109*	*07/27/10 15:58*	*07/28/10 21:28*	*1*
DCB Decachlorobiphenyl	*96*		*27 - 136*	*07/27/10 15:58*	*07/28/10 21:28*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Arsenic	**4.0**		1.0		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Barium	**170**		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Beryllium	ND		0.10		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Cadmium	**0.79**		0.13		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Chromium	**54**		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Cobalt	**10**		0.21		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Copper	**33**		1.6		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Lead	**8.4**		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Molybdenum	ND		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Nickel	**52**		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Selenium	ND		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Silver	ND		0.26		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Thallium	ND		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Vanadium	**48**		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:46	1
Zinc	**48**		1.6		mg/Kg		07/26/10 14:42	07/27/10 16:46	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.078**		0.0097		mg/Kg		07/26/10 12:34	07/26/10 19:45	1

Client Sample ID: 1012 SB-2

Lab Sample ID: 720-29481-2

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Dieldrin	**1.2**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Heptachlor epoxide	**0.97**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
4,4'-DDT	**15**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
4,4'-DDE	**5.7**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
4,4'-DDD	**1.8**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Toxaphene	ND		8.0		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
alpha-Chlordane	**7.4**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
gamma-Chlordane	**9.0**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1
Hexachlorobenzene	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:19	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*54 - 109*	*07/27/10 15:58*	*07/28/10 22:19*	*1*
DCB Decachlorobiphenyl	*109*		*27 - 136*	*07/27/10 15:58*	*07/28/10 22:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.92**		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Arsenic	**2.4**		0.98		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Barium	**150**		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Beryllium	**0.17**		0.098		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Cadmium	**0.36**		0.12		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Chromium	**110**		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Cobalt	**12**		0.20		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Copper	**56**		1.5		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Lead	**76**		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Molybdenum	ND		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Nickel	**73**		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Selenium	ND		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Silver	ND		0.25		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Thallium	ND		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Vanadium	**57**		0.49		mg/Kg		07/26/10 16:15	07/27/10 12:15	1
Zinc	**74**		1.5		mg/Kg		07/26/10 16:15	07/27/10 12:15	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**		0.010		mg/Kg		07/26/10 12:34	07/26/10 19:52	1

1 2 3 4 5 6 7 8 9 10 11 12 13

Analytical Data

Client Sample ID: 1012 SB-3

Lab Sample ID: 720-29481-3

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Dieldrin	**2.1**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Heptachlor epoxide	**1.3**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
4,4'-DDT	**27**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
4,4'-DDE	**17**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
4,4'-DDD	**4.0**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Toxaphene	ND		7.9		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
alpha-Chlordane	**18**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
gamma-Chlordane	**14**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1
Hexachlorobenzene	**0.57**		0.40		ug/Kg		07/27/10 15:58	07/28/10 22:36	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*54 - 109*	*07/27/10 15:58*	*07/28/10 22:36*	*1*
DCB Decachlorobiphenyl	*94*		*27 - 136*	*07/27/10 15:58*	*07/28/10 22:36*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**1.1**		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Arsenic	**2.7**		1.1		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Barium	**190**		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Beryllium	ND		0.11		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Cadmium	**0.59**		0.13		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Chromium	**98**		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Cobalt	**13**		0.21		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Copper	**50**		1.6		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Lead	**140**		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Molybdenum	ND		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Nickel	**73**		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Selenium	ND		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Silver	**0.29**		0.26		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Thallium	ND		0.53		mg/Kg		07/26/10 16:15	07/27/10 20:05	1
Vanadium	**64**		0.53		mg/Kg		07/26/10 16:15	07/27/10 12:19	1
Zinc	**130**		1.6		mg/Kg		07/26/10 16:15	07/27/10 12:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.40**		0.0097		mg/Kg		07/26/10 12:34	07/26/10 19:55	1

Analytical Data

Client Sample ID: 1012 SB-4
Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45

Lab Sample ID: 720-29481-4
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Dieldrin	**11**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Endrin aldehyde	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Endrin	**21**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Endrin ketone	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Heptachlor	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Heptachlor epoxide	**8.8**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
4,4'-DDT	**180**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
4,4'-DDE	**110**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
4,4'-DDD	**16**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Endosulfan I	**3.0**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Endosulfan II	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
alpha-BHC	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
beta-BHC	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
gamma-BHC (Lindane)	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
delta-BHC	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Endosulfan sulfate	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Methoxychlor	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Toxaphene	ND		32		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
alpha-Chlordane	**59**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
gamma-Chlordane	**49**		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4
Hexachlorobenzene	ND		1.6		ug/Kg		07/27/10 15:58	07/29/10 16:34	4

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*54 - 109*	*07/27/10 15:58*	*07/29/10 16:34*	*4*
DCB Decachlorobiphenyl	*44*		*27 - 136*	*07/27/10 15:58*	*07/29/10 16:34*	*4*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.65**		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Arsenic	**3.6**		1.0		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Barium	**170**		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Beryllium	ND		0.10		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Cadmium	**0.41**		0.13		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Chromium	**98**		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Cobalt	**14**		0.21		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Copper	**45**		1.5		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Lead	**49**		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Molybdenum	ND		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Nickel	**75**		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Selenium	ND		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Silver	ND		0.26		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Thallium	**0.69**		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Vanadium	**65**		0.52		mg/Kg		07/26/10 16:15	07/27/10 12:24	1
Zinc	**70**		1.5		mg/Kg		07/26/10 16:15	07/27/10 12:24	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**		0.0095		mg/Kg		07/26/10 12:34	07/26/10 19:57	1

Analytical Data

Client: Santa Clara Valley Water Dist
Project/Site: Permanente Creek

TestAmerica Job ID: 720-29481-1

Client Sample ID: 1012 SB-5

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45

Lab Sample ID: 720-29481-5
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Dieldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Heptachlor epoxide	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
4,4'-DDT	**0.76**		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
4,4'-DDE	**2.0**		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
4,4'-DDD	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Toxaphene	ND		8.0		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
alpha-Chlordane	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
gamma-Chlordane	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1
Hexachlorobenzene	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:11	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*54 - 109*	*07/27/10 15:58*	*07/28/10 23:11*	*1*
DCB Decachlorobiphenyl	*75*		*27 - 136*	*07/27/10 15:58*	*07/28/10 23:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Arsenic	**2.3**		1.0		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Barium	**160**		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Beryllium	ND		0.10		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Cadmium	**0.42**		0.13		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Chromium	**50**		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Cobalt	**9.3**		0.20		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Copper	**27**		1.5		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Lead	**7.5**		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Molybdenum	ND		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Nickel	**43**		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Selenium	ND		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Silver	ND		0.26		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Thallium	**0.57**		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Vanadium	**54**		0.51		mg/Kg		07/26/10 16:15	07/27/10 12:28	1
Zinc	**51**		1.5		mg/Kg		07/26/10 16:15	07/27/10 12:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**		0.0098		mg/Kg		07/26/10 12:34	07/26/10 20:00	1

Client Sample ID: 1012 SB-6

Lab Sample ID: 720-29481-6

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Dieldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Heptachlor epoxide	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
4,4'-DDT	**0.74**		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
4,4'-DDE	**0.49**		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
4,4'-DDD	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Toxaphene	ND		8.0		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
alpha-Chlordane	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
gamma-Chlordane	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1
Hexachlorobenzene	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 23:28	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*69*		*54 - 109*	*07/27/10 15:58*	*07/28/10 23:28*	*1*
DCB Decachlorobiphenyl	*87*		*27 - 136*	*07/27/10 15:58*	*07/28/10 23:28*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.3**		0.52		mg/Kg		07/26/10 14:42	07/27/10 16:04	1
Arsenic	**4.5**		1.0		mg/Kg		07/26/10 14:42	07/27/10 16:04	1

Client Sample ID: 1012 SB-7

Lab Sample ID: 720-29481-7

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Dieldrin	**0.57**		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Endrin aldehyde	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Endrin	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Endrin ketone	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Heptachlor	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Heptachlor epoxide	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
4,4'-DDT	**1.0**		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
4,4'-DDE	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
4,4'-DDD	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Endosulfan I	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Endosulfan II	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
alpha-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1

Analytical Data

Client Sample ID: 1012 SB-7

Lab Sample ID: 720-29481-7

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
gamma-BHC (Lindane)	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
delta-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Endosulfan sulfate	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Methoxychlor	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Toxaphene	ND		7.9		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
alpha-Chlordane	**0.79**		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
gamma-Chlordane	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1
Hexachlorobenzene	ND		0.39		ug/Kg		07/27/10 15:58	07/28/10 23:46	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*54 - 109*	*07/27/10 15:58*	*07/28/10 23:46*	*1*
DCB Decachlorobiphenyl	*62*		*27 - 136*	*07/27/10 15:58*	*07/28/10 23:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.1**		0.50		mg/Kg		07/26/10 14:42	07/27/10 16:08	1
Arsenic	**4.5**		1.0		mg/Kg		07/26/10 14:42	07/27/10 16:08	1

Client Sample ID: 1012 SB-8

Lab Sample ID: 720-29481-8

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,1-Dichloroethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Vinyl chloride	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Chloroethane	ND		9.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Trichlorofluoromethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Methylene Chloride	ND		9.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Chloroform	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Carbon tetrachloride	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,2-Dichloroethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Trichloroethene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,2-Dichloropropane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Dichlorobromomethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Tetrachloroethene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Chlorodibromomethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Chlorobenzene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Bromoform	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1

Client Sample ID: 1012 SB-8

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45

Lab Sample ID: 720-29481-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Chloromethane	ND		9.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
Bromomethane	ND		9.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
EDB	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		07/23/10 20:00	07/24/10 02:14	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*58 - 140*	*07/23/10 20:00*	*07/24/10 02:14*	*1*
4-Bromofluorobenzene	*74*		*52 - 140*	*07/23/10 20:00*	*07/24/10 02:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*	*07/23/10 20:00*	*07/24/10 02:14*	*1*

Client Sample ID: 1012 SB-9

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45

Lab Sample ID: 720-29481-9
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,1-Dichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Dichlorodifluoromethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Vinyl chloride	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Chloroethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Trichlorofluoromethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Methylene Chloride	ND		10		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Chloroform	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Carbon tetrachloride	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,2-Dichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Trichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,2-Dichloropropane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Dichlorobromomethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Tetrachloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Chlorodibromomethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Chlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Bromoform	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Chloromethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
Bromomethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
EDB	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 02:50	1

Client Sample ID: 1012 SB-9

Lab Sample ID: 720-29481-9

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*58 - 140*	*07/23/10 20:00*	*07/24/10 02:50*	*1*
4-Bromofluorobenzene	*79*		*52 - 140*	*07/23/10 20:00*	*07/24/10 02:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*	*07/23/10 20:00*	*07/24/10 02:50*	*1*

Client Sample ID: 1012 SB-10

Lab Sample ID: 720-29481-10

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,1-Dichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Dichlorodifluoromethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Vinyl chloride	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Chloroethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Trichlorofluoromethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Methylene Chloride	ND		10		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Chloroform	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Carbon tetrachloride	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,2-Dichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Trichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,2-Dichloropropane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Dichlorobromomethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Tetrachloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Chlorodibromomethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Chlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Bromoform	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Chloromethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
Bromomethane	ND		10		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
EDB	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/24/10 03:26	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*58 - 140*	*07/23/10 20:00*	*07/24/10 03:26*	*1*
4-Bromofluorobenzene	*75*		*52 - 140*	*07/23/10 20:00*	*07/24/10 03:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*	*07/23/10 20:00*	*07/24/10 03:26*	*1*

Client Sample ID: 1012 SB-11-3'

Lab Sample ID: 720-29481-11

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Dieldrin	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Endrin aldehyde	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Endrin	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Endrin ketone	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Heptachlor	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Heptachlor epoxide	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
4,4'-DDT	**0.45**		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
4,4'-DDE	**1.3**		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
4,4'-DDD	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Endosulfan I	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Endosulfan II	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
alpha-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
beta-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
gamma-BHC (Lindane)	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
delta-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Endosulfan sulfate	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Methoxychlor	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Toxaphene	ND		7.9		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
alpha-Chlordane	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
gamma-Chlordane	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1
Hexachlorobenzene	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:03	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*80*		*54 - 109*	*07/27/10 15:58*	*07/29/10 00:03*	*1*
DCB Decachlorobiphenyl	*81*		*27 - 136*	*07/27/10 15:58*	*07/29/10 00:03*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.0**		0.50		mg/Kg		07/26/10 14:42	07/27/10 16:11	1
Arsenic	**3.3**		0.99		mg/Kg		07/26/10 14:42	07/27/10 16:11	1

Client Sample ID: 1012 SB-11-6'

Lab Sample ID: 720-29481-12

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Dieldrin	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Endrin aldehyde	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Endrin	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Endrin ketone	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Heptachlor	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Heptachlor epoxide	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
4,4'-DDT	**2.1**		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
4,4'-DDE	**12**		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
4,4'-DDD	**1.5**		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Endosulfan I	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Endosulfan II	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
alpha-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1

Analytical Data

Client Sample ID: 1012 SB-11-6'

Lab Sample ID: 720-29481-12

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
gamma-BHC (Lindane)	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
delta-BHC	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Endosulfan sulfate	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Methoxychlor	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Toxaphene	ND		7.9		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
alpha-Chlordane	**0.51**		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
gamma-Chlordane	**0.58**		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1
Hexachlorobenzene	ND		0.39		ug/Kg		07/27/10 15:58	07/29/10 00:20	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*115*	*X*	*54 - 109*	*07/27/10 15:58*	*07/29/10 00:20*	*1*
DCB Decachlorobiphenyl	*96*		*27 - 136*	*07/27/10 15:58*	*07/29/10 00:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**6.9**		0.50		mg/Kg		07/26/10 14:42	07/27/10 16:15	1
Arsenic	**2.5**		1.0		mg/Kg		07/26/10 14:42	07/27/10 16:15	1

Client Sample ID: 1012 SB-11-9'

Lab Sample ID: 720-29481-13

Date Collected: 07/21/10 00:00

Matrix: Solid

Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Dieldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Heptachlor epoxide	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
4,4'-DDT	**1.3**		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
4,4'-DDE	**8.0**		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
4,4'-DDD	**1.2**		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Toxaphene	ND		7.9		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
alpha-Chlordane	**0.69**		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
gamma-Chlordane	**0.64**		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1
Hexachlorobenzene	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 00:38	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*85*		*54 - 109*	*07/27/10 15:58*	*07/29/10 00:38*	*1*
DCB Decachlorobiphenyl	*62*		*27 - 136*	*07/27/10 15:58*	*07/29/10 00:38*	*1*

Analytical Data

Client Sample ID: 1012 SB-11-9'

Lab Sample ID: 720-29481-13

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**9.1**		0.51		mg/Kg		07/26/10 14:42	07/27/10 16:19	1
Arsenic	**2.5**		1.0		mg/Kg		07/26/10 14:42	07/27/10 16:19	1

Client Sample ID: 1012 SB-11-12'

Lab Sample ID: 720-29481-14

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Dieldrin	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Endrin aldehyde	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Endrin	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Endrin ketone	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Heptachlor	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Heptachlor epoxide	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
4,4'-DDT	**160**		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
4,4'-DDE	**230**		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
4,4'-DDD	**26**		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Endosulfan I	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Endosulfan II	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
alpha-BHC	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
beta-BHC	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
gamma-BHC (Lindane)	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
delta-BHC	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Endosulfan sulfate	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Methoxychlor	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Toxaphene	ND		40		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
alpha-Chlordane	**4.3**		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
gamma-Chlordane	**4.4**		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5
Hexachlorobenzene	ND		2.0		ug/Kg		07/27/10 15:58	07/29/10 14:58	5

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*54 - 109*	*07/27/10 15:58*	*07/29/10 14:58*	*5*
DCB Decachlorobiphenyl	*118*		*27 - 136*	*07/27/10 15:58*	*07/29/10 14:58*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**200**		0.51		mg/Kg		07/26/10 14:42	07/27/10 16:30	1
Arsenic	**4.2**		1.0		mg/Kg		07/26/10 14:42	07/27/10 16:30	1

Client Sample ID: 1012 SB-11-15'

Lab Sample ID: 720-29481-15

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45
Matrix: Solid

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Dieldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1

Client Sample ID: 1012 SB-11-15'

Lab Sample ID: 720-29481-15

Date Collected: 07/21/10 00:00
Matrix: Solid
Date Received: 07/23/10 09:45

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Heptachlor epoxide	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
4,4'-DDT	**1.6**		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
4,4'-DDE	**10**		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
4,4'-DDD	**1.6**		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Toxaphene	ND		8.0		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
alpha-Chlordane	**0.72**		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
gamma-Chlordane	**0.75**		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1
Hexachlorobenzene	ND		0.40		ug/Kg		07/27/10 15:58	07/29/10 01:12	1

Surrogate	*% Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*112*	*X*	*54 - 109*	*07/27/10 15:58*	*07/29/10 01:12*	*1*
DCB Decachlorobiphenyl	*84*		*27 - 136*	*07/27/10 15:58*	*07/29/10 01:12*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**8.6**		0.51		mg/Kg		07/26/10 14:42	07/27/10 16:34	1
Arsenic	**2.7**		1.0		mg/Kg		07/26/10 14:42	07/27/10 16:34	1

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Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-75257/1-A
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: MB 720-75257/1-A
Prep Type: Total/NA
Prep Batch: 75257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,1-Dichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Dichlorodifluoromethane	ND		10		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Vinyl chloride	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Chloroethane	ND		10		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Trichlorofluoromethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Methylene Chloride	ND		10		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Chloroform	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Carbon tetrachloride	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,2-Dichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Trichloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,2-Dichloropropane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Dichlorobromomethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Tetrachloroethene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Chlorodibromomethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Chlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Bromoform	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Chloromethane	ND		10		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
Bromomethane	ND		10		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
EDB	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		07/23/10 20:00	07/23/10 22:02	1

Surrogate	*MB % Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*93*		*58 - 140*	*07/23/10 20:00*	*07/23/10 22:02*	*1*
4-Bromofluorobenzene	*91*		*52 - 140*	*07/23/10 20:00*	*07/23/10 22:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*	*07/23/10 20:00*	*07/23/10 22:02*	*1*

Lab Sample ID: LCS 720-75257/2-A
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: LCS 720-75257/2-A
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
1,1-Dichloroethene	50.0	56.1		ug/Kg	112	84 - 120
1,1-Dichloroethane	50.0	48.6		ug/Kg	97	86 - 111
Dichlorodifluoromethane	50.0	38.5		ug/Kg	77	37 - 158
Vinyl chloride	50.0	45.3		ug/Kg	91	63 - 140
Chloroethane	50.0	50.6		ug/Kg	101	69 - 141
Trichlorofluoromethane	50.0	52.3		ug/Kg	105	71 - 139

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-75257/2-A
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: LCS 720-75257/2-A
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
Methylene Chloride	50.0	52.4		ug/Kg	105	72 - 134
trans-1,2-Dichloroethene	50.0	50.1		ug/Kg	100	82 - 118
cis-1,2-Dichloroethene	50.0	54.5		ug/Kg	109	91 - 133
Chloroform	50.0	49.8		ug/Kg	100	77 - 127
1,1,1-Trichloroethane	50.0	49.7		ug/Kg	99	85 - 133
Carbon tetrachloride	50.0	52.4		ug/Kg	105	81 - 138
1,2-Dichloroethane	50.0	51.0		ug/Kg	102	78 - 140
Trichloroethene	50.0	50.2		ug/Kg	100	81 - 133
1,2-Dichloropropane	50.0	51.6		ug/Kg	103	73 - 127
Dichlorobromomethane	50.0	54.6		ug/Kg	109	94 - 132
trans-1,3-Dichloropropene	50.0	55.7		ug/Kg	111	84 - 136
cis-1,3-Dichloropropene	50.0	56.3		ug/Kg	113	68 - 147
1,1,2-Trichloroethane	50.0	54.5		ug/Kg	109	82 - 125
Tetrachloroethene	50.0	49.5		ug/Kg	99	78 - 132
Chlorodibromomethane	50.0	54.7		ug/Kg	109	75 - 146
Chlorobenzene	50.0	47.6		ug/Kg	95	81 - 108
Bromoform	50.0	54.1		ug/Kg	108	59 - 158
1,1,2,2-Tetrachloroethane	50.0	52.4		ug/Kg	105	82 - 146
1,3-Dichlorobenzene	50.0	48.8		ug/Kg	98	84 - 131
1,4-Dichlorobenzene	50.0	46.7		ug/Kg	93	85 - 125
1,2-Dichlorobenzene	50.0	48.5		ug/Kg	97	84 - 130
Chloromethane	50.0	45.6		ug/Kg	91	60 - 149
Bromomethane	50.0	46.6		ug/Kg	93	71 - 136
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.2		ug/Kg	102	70 - 130
EDB	50.0	53.3		ug/Kg	107	79 - 140
1,2,4-Trichlorobenzene	50.0	46.7		ug/Kg	93	70 - 131

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*58 - 140*
4-Bromofluorobenzene	*102*		*52 - 140*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*

Lab Sample ID: LCSD 720-75257/3-A
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: LCSD 720-75257/3-A
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	50.0	58.2		ug/Kg	116	84 - 120	4	20
1,1-Dichloroethane	50.0	48.7		ug/Kg	97	86 - 111	0	20
Dichlorodifluoromethane	50.0	40.1		ug/Kg	80	37 - 158	4	20
Vinyl chloride	50.0	47.4		ug/Kg	95	63 - 140	4	20
Chloroethane	50.0	52.2		ug/Kg	104	69 - 141	3	20
Trichlorofluoromethane	50.0	54.5		ug/Kg	109	71 - 139	4	20
Methylene Chloride	50.0	52.6		ug/Kg	105	72 - 134	0	20
trans-1,2-Dichloroethene	50.0	51.2		ug/Kg	102	82 - 118	2	20
cis-1,2-Dichloroethene	50.0	53.2		ug/Kg	106	91 - 133	2	20
Chloroform	50.0	49.1		ug/Kg	98	77 - 127	1	20
1,1,1-Trichloroethane	50.0	51.2		ug/Kg	102	85 - 133	3	20
Carbon tetrachloride	50.0	52.9		ug/Kg	106	81 - 138	1	20

Quality Control Data

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-75257/3-A
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: LCSD 720-75257/3-A
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	50.0	48.4		ug/Kg	97	78 - 140	5	20
Trichloroethene	50.0	51.0		ug/Kg	102	81 - 133	2	20
1,2-Dichloropropane	50.0	50.4		ug/Kg	101	73 - 127	2	20
Dichlorobromomethane	50.0	53.2		ug/Kg	106	94 - 132	3	20
trans-1,3-Dichloropropene	50.0	53.8		ug/Kg	108	84 - 136	3	20
cis-1,3-Dichloropropene	50.0	54.2		ug/Kg	108	68 - 147	4	20
1,1,2-Trichloroethane	50.0	50.5		ug/Kg	101	82 - 125	8	20
Tetrachloroethene	50.0	50.9		ug/Kg	102	78 - 132	3	20
Chlorodibromomethane	50.0	53.2		ug/Kg	106	75 - 146	3	20
Chlorobenzene	50.0	49.4		ug/Kg	99	81 - 108	4	20
Bromoform	50.0	54.4		ug/Kg	109	59 - 158	1	20
1,1,2,2-Tetrachloroethane	50.0	50.2		ug/Kg	100	82 - 146	4	20
1,3-Dichlorobenzene	50.0	50.1		ug/Kg	100	84 - 131	3	20
1,4-Dichlorobenzene	50.0	47.7		ug/Kg	95	85 - 125	2	20
1,2-Dichlorobenzene	50.0	49.0		ug/Kg	98	84 - 130	1	20
Chloromethane	50.0	47.3		ug/Kg	95	60 - 149	4	20
Bromomethane	50.0	48.9		ug/Kg	98	71 - 136	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.5		ug/Kg	105	70 - 130	2	20
EDB	50.0	49.8		ug/Kg	100	79 - 140	7	20
1,2,4-Trichlorobenzene	50.0	46.9		ug/Kg	94	70 - 131	0	20

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*58 - 140*
4-Bromofluorobenzene	*100*		*52 - 140*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*

Lab Sample ID: 720-29481-10 MS
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: 1012 SB-10
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	% Rec.	% Rec. Limits
1,1-Dichloroethene	ND		49.6	53.8		ug/Kg	109	64 - 130
1,1-Dichloroethane	ND		49.6	48.4		ug/Kg	98	67 - 130
Dichlorodifluoromethane	ND		49.6	32.4		ug/Kg	65	38 - 130
Vinyl chloride	ND		49.6	42.8		ug/Kg	86	62 - 130
Chloroethane	ND		49.6	50.0		ug/Kg	101	61 - 130
Trichlorofluoromethane	ND		49.6	51.6		ug/Kg	104	61 - 130
Methylene Chloride	ND		49.6	51.8		ug/Kg	105	63 - 130
trans-1,2-Dichloroethene	ND		49.6	47.5		ug/Kg	96	70 - 130
cis-1,2-Dichloroethene	ND		49.6	52.5		ug/Kg	106	68 - 131
Chloroform	ND		49.6	49.5		ug/Kg	100	67 - 130
1,1,1-Trichloroethane	ND		49.6	50.0		ug/Kg	101	57 - 133
Carbon tetrachloride	ND		49.6	50.7		ug/Kg	102	54 - 130
1,2-Dichloroethane	ND		49.6	48.7		ug/Kg	98	70 - 130
Trichloroethene	ND		49.6	51.7		ug/Kg	104	66 - 130
1,2-Dichloropropane	ND		49.6	50.3		ug/Kg	101	65 - 133
Dichlorobromomethane	ND		49.6	52.6		ug/Kg	106	64 - 135
trans-1,3-Dichloropropene	ND		49.6	44.0		ug/Kg	89	55 - 131
cis-1,3-Dichloropropene	ND		49.6	43.7		ug/Kg	88	46 - 139

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-29481-10 MS
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: 1012 SB-10
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	% Rec.	% Rec. Limits
1,1,2-Trichloroethane	ND		49.6	51.6		ug/Kg	104	68 - 132
Tetrachloroethene	ND		49.6	49.6		ug/Kg	100	67 - 130
Chlorodibromomethane	ND		49.6	50.6		ug/Kg	102	60 - 141
Chlorobenzene	ND		49.6	48.5		ug/Kg	98	70 - 130
Bromoform	ND		49.6	50.2		ug/Kg	101	58 - 132
1,1,2,2-Tetrachloroethane	ND		49.6	55.6		ug/Kg	112	70 - 131
1,3-Dichlorobenzene	ND		49.6	50.5		ug/Kg	102	70 - 130
1,4-Dichlorobenzene	ND		49.6	47.5		ug/Kg	96	70 - 130
1,2-Dichlorobenzene	ND		49.6	47.8		ug/Kg	96	70 - 130
Chloromethane	ND		49.6	40.0		ug/Kg	81	50 - 131
Bromomethane	ND		49.6	37.7		ug/Kg	76	56 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49.6	49.6		ug/Kg	100	52 - 130
EDB	ND		49.6	46.2		ug/Kg	93	66 - 135
1,2,4-Trichlorobenzene	ND		49.6	29.7		ug/Kg	60	49 - 144

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*58 - 140*
4-Bromofluorobenzene	*91*		*52 - 140*
1,2-Dichloroethane-d4 (Surr)	*93*		*60 - 140*

Lab Sample ID: 720-29481-10 MSD
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: 1012 SB-10
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		48.6	54.6		ug/Kg	112	64 - 130	1	20
1,1-Dichloroethane	ND		48.6	48.4		ug/Kg	100	67 - 130	0	20
Dichlorodifluoromethane	ND		48.6	34.5		ug/Kg	71	38 - 130	6	20
Vinyl chloride	ND		48.6	44.0		ug/Kg	91	62 - 130	3	20
Chloroethane	ND		48.6	50.5		ug/Kg	104	61 - 130	1	20
Trichlorofluoromethane	ND		48.6	52.6		ug/Kg	108	61 - 130	2	20
Methylene Chloride	ND		48.6	53.2		ug/Kg	109	63 - 130	3	20
trans-1,2-Dichloroethene	ND		48.6	47.5		ug/Kg	98	70 - 130	0	20
cis-1,2-Dichloroethene	ND		48.6	52.8		ug/Kg	109	68 - 131	1	20
Chloroform	ND		48.6	49.6		ug/Kg	102	67 - 130	0	20
1,1,1-Trichloroethane	ND		48.6	48.8		ug/Kg	100	57 - 133	2	20
Carbon tetrachloride	ND		48.6	48.0		ug/Kg	99	54 - 130	5	20
1,2-Dichloroethane	ND		48.6	48.7		ug/Kg	100	70 - 130	0	20
Trichloroethene	ND		48.6	49.3		ug/Kg	101	66 - 130	5	20
1,2-Dichloropropane	ND		48.6	49.8		ug/Kg	102	65 - 133	1	20
Dichlorobromomethane	ND		48.6	51.2		ug/Kg	105	64 - 135	3	20
trans-1,3-Dichloropropene	ND		48.6	39.3		ug/Kg	81	55 - 131	11	20
cis-1,3-Dichloropropene	ND		48.6	37.7		ug/Kg	78	46 - 139	15	20
1,1,2-Trichloroethane	ND		48.6	49.9		ug/Kg	103	68 - 132	3	20
Tetrachloroethene	ND		48.6	46.2		ug/Kg	95	67 - 130	7	20
Chlorodibromomethane	ND		48.6	48.2		ug/Kg	99	60 - 141	5	20
Chlorobenzene	ND		48.6	49.0		ug/Kg	101	70 - 130	1	20
Bromoform	ND		48.6	49.6		ug/Kg	102	58 - 132	1	20
1,1,2,2-Tetrachloroethane	ND		48.6	63.9		ug/Kg	131	70 - 131	14	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-29481-10 MSD
Matrix: Solid
Analysis Batch: 75110

Client Sample ID: 1012 SB-10
Prep Type: Total/NA
Prep Batch: 75257

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
1,3-Dichlorobenzene	ND		48.6	50.2		ug/Kg	103	70 - 130	1	20
1,4-Dichlorobenzene	ND		48.6	47.4		ug/Kg	97	70 - 130	0	20
1,2-Dichlorobenzene	ND		48.6	47.1		ug/Kg	97	70 - 130	2	20
Chloromethane	ND		48.6	42.2		ug/Kg	87	50 - 131	5	20
Bromomethane	ND		48.6	36.8		ug/Kg	76	56 - 130	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		48.6	47.1		ug/Kg	97	52 - 130	5	20
EDB	ND		48.6	43.4		ug/Kg	89	66 - 135	6	20
1,2,4-Trichlorobenzene	ND		48.6	25.7		ug/Kg	53	49 - 144	15	20

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*90*		*58 - 140*
4-Bromofluorobenzene	*91*		*52 - 140*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-75283/1-A
Matrix: Solid
Analysis Batch: 75329

Client Sample ID: MB 720-75283/1-A
Prep Type: Total/NA
Prep Batch: 75283

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Dieldrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Endrin aldehyde	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Endrin	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Endrin ketone	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Heptachlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Heptachlor epoxide	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
4,4'-DDT	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
4,4'-DDE	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
4,4'-DDD	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Endosulfan I	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Endosulfan II	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
alpha-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
beta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
gamma-BHC (Lindane)	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
delta-BHC	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Endosulfan sulfate	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Methoxychlor	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Toxaphene	ND		8.0		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
alpha-Chlordane	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
gamma-Chlordane	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1
Hexachlorobenzene	ND		0.40		ug/Kg		07/27/10 15:58	07/28/10 18:52	1

Lab Sample ID: LCS 720-75283/2-A
Matrix: Solid
Analysis Batch: 75388

Client Sample ID: LCS 720-75283/2-A
Prep Type: Total/NA
Prep Batch: 75283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
Aldrin	3.30	3.27		ug/Kg	99	54 - 120

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 720-75283/2-A
Matrix: Solid
Analysis Batch: 75388

Client Sample ID: LCS 720-75283/2-A
Prep Type: Total/NA
Prep Batch: 75283

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
Dieldrin	3.30	3.51		ug/Kg	106	59 - 120
Endrin aldehyde	3.30	3.44		ug/Kg	104	40 - 120
Endrin	3.30	3.55		ug/Kg	108	53 - 120
Endrin ketone	3.30	3.72		ug/Kg	113	40 - 120
Heptachlor	3.30	3.59		ug/Kg	109	54 - 120
Heptachlor epoxide	3.30	3.49		ug/Kg	106	40 - 120
4,4'-DDT	3.30	3.67		ug/Kg	111	51 - 120
4,4'-DDE	3.30	3.62		ug/Kg	110	40 - 120
4,4'-DDD	3.30	3.70		ug/Kg	112	40 - 120
Endosulfan I	3.30	3.39		ug/Kg	103	40 - 120
Endosulfan II	3.30	3.49		ug/Kg	106	40 - 120
alpha-BHC	3.30	3.28		ug/Kg	99	40 - 120
beta-BHC	3.30	3.35		ug/Kg	102	40 - 120
gamma-BHC (Lindane)	3.30	3.31		ug/Kg	100	58 - 120
delta-BHC	3.30	4.15		ug/Kg	126	40 - 120
Endosulfan sulfate	3.30	3.74		ug/Kg	113	40 - 120
Methoxychlor	3.30	3.35		ug/Kg	102	40 - 120
alpha-Chlordane	3.30	3.51		ug/Kg	107	40 - 120
gamma-Chlordane	3.30	3.52		ug/Kg	107	40 - 120

Surrogate	*LCS % Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*54 - 109*
DCB Decachlorobiphenyl	*58*		*27 - 136*

Lab Sample ID: LCSD 720-75283/3-A
Matrix: Solid
Analysis Batch: 75388

Client Sample ID: LCSD 720-75283/3-A
Prep Type: Total/NA
Prep Batch: 75283

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Aldrin	3.32	3.25		ug/Kg	98	54 - 120	1	20
Dieldrin	3.32	3.57		ug/Kg	107	59 - 120	2	20
Endrin aldehyde	3.32	3.50		ug/Kg	105	40 - 120	2	20
Endrin	3.32	3.61		ug/Kg	109	53 - 120	2	20
Endrin ketone	3.32	3.65		ug/Kg	110	40 - 120	2	20
Heptachlor	3.32	3.48		ug/Kg	105	54 - 120	3	20
Heptachlor epoxide	3.32	3.53		ug/Kg	106	40 - 120	1	20
4,4'-DDT	3.32	3.70		ug/Kg	111	51 - 120	1	20
4,4'-DDE	3.32	3.65		ug/Kg	110	40 - 120	1	20
4,4'-DDD	3.32	3.74		ug/Kg	113	40 - 120	1	20
Endosulfan I	3.32	3.48		ug/Kg	105	40 - 120	3	20
Endosulfan II	3.32	3.57		ug/Kg	108	40 - 120	2	20
alpha-BHC	3.32	3.28		ug/Kg	99	40 - 120	0	20
beta-BHC	3.32	3.51		ug/Kg	106	40 - 120	5	20
gamma-BHC (Lindane)	3.32	3.33		ug/Kg	100	58 - 120	1	20
delta-BHC	3.32	3.83		ug/Kg	115	40 - 120	8	20
Endosulfan sulfate	3.32	3.76		ug/Kg	113	40 - 120	1	20
Methoxychlor	3.32	3.67		ug/Kg	111	40 - 120	9	20
alpha-Chlordane	3.32	3.56		ug/Kg	107	40 - 120	1	20
gamma-Chlordane	3.32	3.56		ug/Kg	107	40 - 120	1	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 720-75283/3-A
Matrix: Solid
Analysis Batch: 75388

Client Sample ID: LCSD 720-75283/3-A
Prep Type: Total/NA
Prep Batch: 75283

Surrogate	*LCSD % Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*54 - 109*
DCB Decachlorobiphenyl	*60*		*27 - 136*

Lab Sample ID: 720-29481-1 MS
Matrix: Solid
Analysis Batch: 75329

Client Sample ID: 1012 SB-1
Prep Type: Total/NA
Prep Batch: 75283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	% Rec.	% Rec. Limits
Aldrin			3.33	3.32		ug/Kg	100	53 - 120
Dieldrin			3.33	3.62		ug/Kg	87	46 - 130
Endrin aldehyde			3.33	ND	F	ug/Kg	6	40 - 120
Endrin			3.33	3.69		ug/Kg	111	32 - 143
Endrin ketone			3.33	3.70		ug/Kg	111	40 - 120
Heptachlor			3.33	1.86		ug/Kg	56	52 - 120
Heptachlor epoxide	ND		3.33	3.55		ug/Kg	97	40 - 120
4,4'-DDT	3.6		3.33	7.17		ug/Kg	106	17 - 144
4,4'-DDE	4.3		3.33	7.64		ug/Kg	100	40 - 120
4,4'-DDD	0.78		3.33	4.44		ug/Kg	110	40 - 120
Endosulfan I			3.33	3.14		ug/Kg	94	40 - 120
Endosulfan II			3.33	3.18		ug/Kg	93	40 - 120
alpha-BHC			3.33	3.30		ug/Kg	99	40 - 120
beta-BHC			3.33	3.93		ug/Kg	118	40 - 120
gamma-BHC (Lindane)			3.33	2.99		ug/Kg	90	58 - 120
delta-BHC			3.33	3.10		ug/Kg	93	40 - 120
Endosulfan sulfate			3.33	1.87		ug/Kg	56	40 - 120
Methoxychlor			3.33	3.70		ug/Kg	111	40 - 120
alpha-Chlordane	2.1		3.33	5.57		ug/Kg	105	40 - 120
gamma-Chlordane			3.33	5.73		ug/Kg	102	40 - 120

Surrogate	*MS % Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*91*		*54 - 109*
DCB Decachlorobiphenyl	*94*		*27 - 136*

Lab Sample ID: 720-29481-1 MSD
Matrix: Solid
Analysis Batch: 75329

Client Sample ID: 1012 SB-1
Prep Type: Total/NA
Prep Batch: 75283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Aldrin			3.32	3.30		ug/Kg	99	53 - 120	0	20
Dieldrin			3.32	3.77		ug/Kg	92	46 - 130	4	20
Endrin aldehyde			3.32	ND	F	ug/Kg	9	40 - 120	40	20
Endrin			3.32	2.44	F	ug/Kg	73	32 - 143	41	20
Endrin ketone			3.32	2.78	F	ug/Kg	84	40 - 120	28	20
Heptachlor			3.32	1.30	F	ug/Kg	39	52 - 120	36	20
Heptachlor epoxide	ND		3.32	3.97		ug/Kg	110	40 - 120	11	20
4,4'-DDT	3.6		3.32	3.76	F	ug/Kg	4	17 - 144	62	20
4,4'-DDE	4.3		3.32	5.14	F	ug/Kg	25	40 - 120	39	20
4,4'-DDD	0.78		3.32	3.38	F	ug/Kg	78	40 - 120	27	20
Endosulfan I			3.32	3.14		ug/Kg	94	40 - 120	0	20
Endosulfan II			3.32	2.03	F	ug/Kg	58	40 - 120	44	20

Quality Control Data

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-29481-1 MSD
Matrix: Solid
Analysis Batch: 75329

Client Sample ID: 1012 SB-1
Prep Type: Total/NA
Prep Batch: 75283

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
alpha-BHC			3.32	3.25		ug/Kg	98	40 - 120	2	20
beta-BHC			3.32	2.48	F	ug/Kg	75	40 - 120	45	20
gamma-BHC (Lindane)			3.32	2.98		ug/Kg	90	58 - 120	0	20
delta-BHC			3.32	2.46	F	ug/Kg	74	40 - 120	23	20
Endosulfan sulfate			3.32	1.07	F	ug/Kg	32	40 - 120	54	20
Methoxychlor			3.32	1.05	F	ug/Kg	32	40 - 120	111	20
alpha-Chlordane	2.1		3.32	4.74		ug/Kg	81	40 - 120	16	20
gamma-Chlordane			3.32	3.52	F	ug/Kg	36	40 - 120	48	20

Surrogate	*MSD % Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*96*		*54 - 109*
DCB Decachlorobiphenyl	*98*		*27 - 136*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-75181/1-A
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: MB 720-75181/1-A
Prep Type: Total/NA
Prep Batch: 75181

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Barium	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Beryllium	ND		0.10		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Cadmium	ND		0.13		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Chromium	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Cobalt	ND		0.20		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Copper	ND		1.5		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Lead	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Molybdenum	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Nickel	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Selenium	ND		1.0		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Silver	ND		0.25		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Thallium	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Vanadium	ND		0.51		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Zinc	ND		1.5		mg/Kg		07/26/10 14:42	07/27/10 15:45	1
Arsenic	ND		1.0		mg/Kg		07/26/10 14:42	07/27/10 15:45	1

Lab Sample ID: LCS 720-75181/2-A
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: LCS 720-75181/2-A
Prep Type: Total/NA
Prep Batch: 75181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
Antimony	51.0	49.9		mg/Kg	98	80 - 120
Barium	51.0	54.7		mg/Kg	107	80 - 120
Beryllium	51.0	51.5		mg/Kg	101	80 - 120
Cadmium	51.0	51.3		mg/Kg	101	80 - 120
Chromium	51.0	52.4		mg/Kg	103	80 - 120
Cobalt	51.0	51.0		mg/Kg	100	80 - 120
Copper	51.0	53.2		mg/Kg	104	80 - 120
Lead	51.0	52.5		mg/Kg	103	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-75181/2-A
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: LCS 720-75181/2-A
Prep Type: Total/NA
Prep Batch: 75181

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
Molybdenum	51.0	53.8		mg/Kg	105	80 - 120
Nickel	51.0	52.0		mg/Kg	102	80 - 120
Selenium	51.0	50.0		mg/Kg	98	80 - 120
Silver	25.5	24.1		mg/Kg	94	80 - 120
Thallium	51.0	53.6		mg/Kg	105	80 - 120
Vanadium	51.0	51.6		mg/Kg	101	80 - 120
Zinc	51.0	50.8		mg/Kg	100	80 - 120
Arsenic	51.0	51.1		mg/Kg	100	80 - 120

Lab Sample ID: LCSD 720-75181/3-A
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: LCSD 720-75181/3-A
Prep Type: Total/NA
Prep Batch: 75181

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Antimony	50.5	49.1		mg/Kg	97	80 - 120	2	20
Barium	50.5	54.0		mg/Kg	107	80 - 120	1	20
Beryllium	50.5	50.4		mg/Kg	100	80 - 120	2	20
Cadmium	50.5	50.3		mg/Kg	100	80 - 120	2	20
Chromium	50.5	51.5		mg/Kg	102	80 - 120	2	20
Cobalt	50.5	50.2		mg/Kg	99	80 - 120	2	20
Copper	50.5	52.2		mg/Kg	103	80 - 120	2	20
Lead	50.5	51.6		mg/Kg	102	80 - 120	2	20
Molybdenum	50.5	52.9		mg/Kg	105	80 - 120	2	20
Nickel	50.5	51.1		mg/Kg	101	80 - 120	2	20
Selenium	50.5	48.9		mg/Kg	97	80 - 120	2	20
Silver	25.3	23.6		mg/Kg	93	80 - 120	2	20
Thallium	50.5	52.6		mg/Kg	104	80 - 120	2	20
Vanadium	50.5	50.6		mg/Kg	100	80 - 120	2	20
Zinc	50.5	49.8		mg/Kg	99	80 - 120	2	20
Arsenic	50.5	50.2		mg/Kg	99	80 - 120	2	20

Lab Sample ID: LCSSRM 720-75181/25-A
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: LCSSRM 720-75181/25-A
Prep Type: Total/NA
Prep Batch: 75181

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	% Rec.	% Rec. Limits
Antimony	27.4	17.0		mg/Kg	62	11 - 101
Barium	145	136		mg/Kg	94	61 - 117
Beryllium	1.09	0.924		mg/Kg	85	56 - 102
Cadmium	42.2	37.7		mg/Kg	89	67 - 118
Chromium	246	216		mg/Kg	88	67 - 121
Cobalt	65.1	63.0		mg/Kg	97	64 - 133
Copper	58.5	54.8		mg/Kg	94	68 - 126
Lead	44.1	36.6		mg/Kg	83	62 - 113
Molybdenum	61.0	56.8		mg/Kg	93	62 - 128
Nickel	96.8	82.2		mg/Kg	85	65 - 117
Selenium	165	146		mg/Kg	89	63 - 126
Silver	79.5	69.6		mg/Kg	88	51 - 130
Thallium	55.9	49.0		mg/Kg	88	64 - 124
Vanadium	56.7	51.1		mg/Kg	90	67 - 123

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 720-75181/25-A
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: LCSSRM 720-75181/25-A
Prep Type: Total/NA
Prep Batch: 75181

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	% Rec.	% Rec. Limits		
Zinc			44.0	36.4		mg/Kg	83	62 - 110		
Arsenic			22.7	20.8		mg/Kg	92	69 - 119		

Lab Sample ID: 720-29481-6 MS
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: 1012 SB-6
Prep Type: Total/NA
Prep Batch: 75181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	% Rec.	% Rec. Limits		
Antimony			51.0	11.7	F	mg/Kg	23	75 - 125		
Barium			51.0	169		mg/Kg	123	75 - 125		
Beryllium			51.0	42.9		mg/Kg	84	75 - 125		
Cadmium			51.0	39.5		mg/Kg	77	75 - 125		
Chromium			51.0	84.2		mg/Kg	90	75 - 125		
Cobalt			51.0	47.1		mg/Kg	76	75 - 125		
Copper			51.0	72.2		mg/Kg	96	75 - 125		
Lead	9.3		51.0	48.3		mg/Kg	77	75 - 125		
Molybdenum			51.0	38.2	F	mg/Kg	74	75 - 125		
Nickel			51.0	90.6		mg/Kg	82	75 - 125		
Selenium			51.0	39.9		mg/Kg	78	75 - 125		
Silver			25.5	21.1		mg/Kg	82	75 - 125		
Thallium			51.0	36.2	F	mg/Kg	70	75 - 125		
Vanadium			51.0	75.3		mg/Kg	85	75 - 125		
Zinc			51.0	90.9		mg/Kg	86	75 - 125		
Arsenic	4.5		51.0	45.9		mg/Kg	81	75 - 125		

Lab Sample ID: 720-29481-6 MSD
Matrix: Solid
Analysis Batch: 75292

Client Sample ID: 1012 SB-6
Prep Type: Total/NA
Prep Batch: 75181

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Antimony			48.1	11.3	F	mg/Kg	23	75 - 125	3	20
Barium			48.1	160		mg/Kg	110	75 - 125	6	20
Beryllium			48.1	40.9		mg/Kg	85	75 - 125	5	20
Cadmium			48.1	37.8		mg/Kg	78	75 - 125	5	20
Chromium			48.1	79.6		mg/Kg	86	75 - 125	6	20
Cobalt			48.1	45.5		mg/Kg	78	75 - 125	3	20
Copper			48.1	69.8		mg/Kg	97	75 - 125	3	20
Lead	9.3		48.1	44.4	F	mg/Kg	73	75 - 125	9	20
Molybdenum			48.1	36.7		mg/Kg	75	75 - 125	4	20
Nickel			48.1	86.0		mg/Kg	77	75 - 125	5	20
Selenium			48.1	37.5		mg/Kg	77	75 - 125	6	20
Silver			24.0	19.9		mg/Kg	82	75 - 125	6	20
Thallium			48.1	34.6	F	mg/Kg	71	75 - 125	4	20
Vanadium			48.1	71.7		mg/Kg	82	75 - 125	5	20
Zinc			48.1	85.8		mg/Kg	81	75 - 125	6	20
Arsenic	4.5		48.1	43.6		mg/Kg	81	75 - 125	5	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-75198/1-A
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: MB 720-75198/1-A
Prep Type: Total/NA
Prep Batch: 75198

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Barium	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Beryllium	ND		0.099		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Cadmium	ND		0.12		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Chromium	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Cobalt	ND		0.20		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Copper	ND		1.5		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Lead	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Molybdenum	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Nickel	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Selenium	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Silver	ND		0.25		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Thallium	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Vanadium	ND		0.50		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Zinc	ND		1.5		mg/Kg		07/26/10 16:15	07/27/10 11:54	1
Arsenic	ND		0.99		mg/Kg		07/26/10 16:15	07/27/10 11:54	1

Lab Sample ID: LCS 720-75198/2-A
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: LCS 720-75198/2-A
Prep Type: Total/NA
Prep Batch: 75198

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
Antimony	50.5	49.3		mg/Kg	98	80 - 120
Barium	50.5	56.6		mg/Kg	112	80 - 120
Beryllium	50.5	54.7		mg/Kg	108	80 - 120
Cadmium	50.5	52.8		mg/Kg	104	80 - 120
Chromium	50.5	54.0		mg/Kg	107	80 - 120
Cobalt	50.5	53.3		mg/Kg	106	80 - 120
Copper	50.5	54.1		mg/Kg	107	80 - 120
Lead	50.5	53.6		mg/Kg	106	80 - 120
Molybdenum	50.5	53.9		mg/Kg	107	80 - 120
Nickel	50.5	52.5		mg/Kg	104	80 - 120
Selenium	50.5	51.7		mg/Kg	102	80 - 120
Silver	25.3	25.8		mg/Kg	102	80 - 120
Thallium	50.5	54.5		mg/Kg	108	80 - 120
Vanadium	50.5	53.5		mg/Kg	106	80 - 120
Zinc	50.5	53.5		mg/Kg	106	80 - 120
Arsenic	50.5	53.7		mg/Kg	106	80 - 120

Lab Sample ID: LCSD 720-75198/3-A
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: LCSD 720-75198/3-A
Prep Type: Total/NA
Prep Batch: 75198

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Antimony	51.0	49.2		mg/Kg	96	80 - 120	0	20
Barium	51.0	55.2		mg/Kg	108	80 - 120	3	20
Beryllium	51.0	53.1		mg/Kg	104	80 - 120	3	20
Cadmium	51.0	51.5		mg/Kg	101	80 - 120	2	20
Chromium	51.0	51.8		mg/Kg	102	80 - 120	4	20
Cobalt	51.0	52.1		mg/Kg	102	80 - 120	2	20

Quality Control Data

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-75198/3-A
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: LCSD 720-75198/3-A
Prep Type: Total/NA
Prep Batch: 75198

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Copper			51.0	52.0		mg/Kg	102	80 - 120	4	20
Lead			51.0	52.5		mg/Kg	103	80 - 120	2	20
Molybdenum			51.0	52.8		mg/Kg	104	80 - 120	2	20
Nickel			51.0	51.5		mg/Kg	101	80 - 120	2	20
Selenium			51.0	50.8		mg/Kg	100	80 - 120	2	20
Silver			25.5	25.1		mg/Kg	98	80 - 120	3	20
Thallium			51.0	53.4		mg/Kg	105	80 - 120	2	20
Vanadium			51.0	52.1		mg/Kg	102	80 - 120	3	20
Zinc			51.0	51.7		mg/Kg	101	80 - 120	3	20
Arsenic			51.0	52.3		mg/Kg	102	80 - 120	3	20

Lab Sample ID: LCSSRM 720-75198/25-A
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: LCSSRM 720-75198/25-A
Prep Type: Total/NA
Prep Batch: 75198

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	% Rec.	% Rec. Limits
Antimony			27.4	17.1		mg/Kg	63	11 - 101
Beryllium			1.09	0.962		mg/Kg	88	56 - 102
Cadmium			42.2	39.5		mg/Kg	94	67 - 118
Chromium			246	231		mg/Kg	94	67 - 121
Cobalt			65.1	65.2		mg/Kg	100	64 - 133
Copper			58.5	55.7		mg/Kg	95	68 - 126
Lead			44.1	37.6		mg/Kg	85	62 - 113
Molybdenum			61.0	56.5		mg/Kg	93	62 - 128
Nickel			96.8	84.6		mg/Kg	87	65 - 117
Selenium			165	152		mg/Kg	92	63 - 126
Silver			79.5	73.0		mg/Kg	92	51 - 130
Thallium			55.9	51.7		mg/Kg	92	64 - 124
Vanadium			56.7	54.4		mg/Kg	96	67 - 123
Zinc			44.0	39.3		mg/Kg	89	62 - 110
Arsenic			22.7	21.5		mg/Kg	95	69 - 119

Lab Sample ID: 720-29481-2 MS
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: 1012 SB-2
Prep Type: Total/NA
Prep Batch: 75198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	% Rec.	% Rec. Limits
Antimony	0.92		51.0	17.7	F	mg/Kg	33	75 - 125
Barium	150		51.0	227	F	mg/Kg	143	75 - 125
Beryllium	0.17		51.0	41.5		mg/Kg	81	75 - 125
Cadmium	0.36		51.0	39.2		mg/Kg	76	75 - 125
Chromium	110		51.0	171		mg/Kg	119	75 - 125
Cobalt	12		51.0	53.2		mg/Kg	80	75 - 125
Copper	56		51.0	106		mg/Kg	100	75 - 125
Lead	76		51.0	111	F	mg/Kg	69	75 - 125
Molybdenum	ND		51.0	35.9	F	mg/Kg	70	75 - 125
Nickel	73		51.0	119		mg/Kg	91	75 - 125
Selenium	ND		51.0	37.5	F	mg/Kg	73	75 - 125
Silver	ND		25.5	21.6		mg/Kg	84	75 - 125
Thallium	ND		51.0	37.9	F	mg/Kg	73	75 - 125

Quality Control Data

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-29481-2 MS
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: 1012 SB-2
Prep Type: Total/NA
Prep Batch: 75198

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	% Rec.	% Rec. Limits
Vanadium	57		51.0	109		mg/Kg	101	75 - 125
Zinc	74		51.0	118		mg/Kg	85	75 - 125
Arsenic	2.4		51.0	41.9		mg/Kg	77	75 - 125

Lab Sample ID: 720-29481-2 MSD
Matrix: Solid
Analysis Batch: 75267

Client Sample ID: 1012 SB-2
Prep Type: Total/NA
Prep Batch: 75198

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Antimony	0.92		48.1	14.9	F	mg/Kg	29	75 - 125	17	20
Barium	150		48.1	213		mg/Kg	123	75 - 125	6	20
Beryllium	0.17		48.1	39.3		mg/Kg	81	75 - 125	5	20
Cadmium	0.36		48.1	36.8		mg/Kg	76	75 - 125	6	20
Chromium	110		48.1	169		mg/Kg	122	75 - 125	1	20
Cobalt	12		48.1	50.2		mg/Kg	79	75 - 125	6	20
Copper	56		48.1	117	F	mg/Kg	128	75 - 125	9	20
Lead	76		48.1	111	F	mg/Kg	73	75 - 125	0	20
Molybdenum	ND		48.1	32.9	F	mg/Kg	68	75 - 125	9	20
Nickel	73		48.1	114		mg/Kg	85	75 - 125	5	20
Selenium	ND		48.1	35.3	F	mg/Kg	73	75 - 125	6	20
Silver	ND		24.0	20.4		mg/Kg	84	75 - 125	6	20
Thallium	ND		48.1	35.7	F	mg/Kg	73	75 - 125	6	20
Vanadium	57		48.1	105		mg/Kg	100	75 - 125	3	20
Zinc	74		48.1	115		mg/Kg	85	75 - 125	2	20
Arsenic	2.4		48.1	39.9		mg/Kg	78	75 - 125	5	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-75166/1-A
Matrix: Solid
Analysis Batch: 75238

Client Sample ID: MB 720-75166/1-A
Prep Type: Total/NA
Prep Batch: 75166

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.011		mg/Kg		07/26/10 12:34	07/26/10 18:56	1

Lab Sample ID: LCS 720-75166/2-A
Matrix: Solid
Analysis Batch: 75238

Client Sample ID: LCS 720-75166/2-A
Prep Type: Total/NA
Prep Batch: 75166

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	% Rec.	% Rec. Limits
Mercury	0.794	0.857		mg/Kg	108	80 - 120

Lab Sample ID: LCSD 720-75166/3-A
Matrix: Solid
Analysis Batch: 75238

Client Sample ID: LCSD 720-75166/3-A
Prep Type: Total/NA
Prep Batch: 75166

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Mercury	0.820	0.885		mg/Kg	108	80 - 120	3	20

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 720-29454-A-6-I MS
Matrix: Solid
Analysis Batch: 75238

Client Sample ID: 720-29454-A-6-I MS
Prep Type: Total/NA
Prep Batch: 75166

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	% Rec.	% Rec. Limits
Mercury	0.12		0.806	1.13	F	mg/Kg	126	75 - 125

Lab Sample ID: 720-29454-A-6-J MSD
Matrix: Solid
Analysis Batch: 75238

Client Sample ID: 720-29454-A-6-J MSD
Prep Type: Total/NA
Prep Batch: 75166

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	% Rec.	% Rec. Limits	RPD	RPD Limit
Mercury	0.12		0.877	1.22	F	mg/Kg	126	75 - 125	8	20

GC/MS VOA

Analysis Batch: 75110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75257/1-A	MB 720-75257/1-A	Total/NA	Solid	8260B	75257
LCS 720-75257/2-A	LCS 720-75257/2-A	Total/NA	Solid	8260B	75257
LCSD 720-75257/3-A	LCSD 720-75257/3-A	Total/NA	Solid	8260B	75257
720-29481-8	1012 SB-8	Total/NA	Solid	8260B	75257
720-29481-9	1012 SB-9	Total/NA	Solid	8260B	75257
720-29481-10	1012 SB-10	Total/NA	Solid	8260B	75257
720-29481-10 MS	1012 SB-10	Total/NA	Solid	8260B	75257
720-29481-10 MSD	1012 SB-10	Total/NA	Solid	8260B	75257

Prep Batch: 75257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75257/1-A	MB 720-75257/1-A	Total/NA	Solid	5030B	
LCS 720-75257/2-A	LCS 720-75257/2-A	Total/NA	Solid	5030B	
LCSD 720-75257/3-A	LCSD 720-75257/3-A	Total/NA	Solid	5030B	
720-29481-8	1012 SB-8	Total/NA	Solid	5030B	
720-29481-9	1012 SB-9	Total/NA	Solid	5030B	
720-29481-10	1012 SB-10	Total/NA	Solid	5030B	
720-29481-10 MS	1012 SB-10	Total/NA	Solid	5030B	
720-29481-10 MSD	1012 SB-10	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 75283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75283/1-A	MB 720-75283/1-A	Total/NA	Solid	3550B	
LCS 720-75283/2-A	LCS 720-75283/2-A	Total/NA	Solid	3550B	
LCSD 720-75283/3-A	LCSD 720-75283/3-A	Total/NA	Solid	3550B	
720-29481-1	1012 SB-1	Total/NA	Solid	3550B	
720-29481-1 MS	1012 SB-1	Total/NA	Solid	3550B	
720-29481-1 MSD	1012 SB-1	Total/NA	Solid	3550B	
720-29481-2	1012 SB-2	Total/NA	Solid	3550B	
720-29481-3	1012 SB-3	Total/NA	Solid	3550B	
720-29481-4	1012 SB-4	Total/NA	Solid	3550B	
720-29481-5	1012 SB-5	Total/NA	Solid	3550B	
720-29481-6	1012 SB-6	Total/NA	Solid	3550B	
720-29481-7	1012 SB-7	Total/NA	Solid	3550B	
720-29481-11	1012 SB-11-3'	Total/NA	Solid	3550B	
720-29481-12	1012 SB-11-6'	Total/NA	Solid	3550B	
720-29481-13	1012 SB-11-9'	Total/NA	Solid	3550B	
720-29481-14	1012 SB-11-12'	Total/NA	Solid	3550B	
720-29481-15	1012 SB-11-15'	Total/NA	Solid	3550B	

Analysis Batch: 75329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75283/1-A	MB 720-75283/1-A	Total/NA	Solid	8081A	75283
720-29481-1	1012 SB-1	Total/NA	Solid	8081A	75283
720-29481-1 MS	1012 SB-1	Total/NA	Solid	8081A	75283
720-29481-1 MSD	1012 SB-1	Total/NA	Solid	8081A	75283
720-29481-2	1012 SB-2	Total/NA	Solid	8081A	75283
720-29481-3	1012 SB-3	Total/NA	Solid	8081A	75283
720-29481-5	1012 SB-5	Total/NA	Solid	8081A	75283
720-29481-6	1012 SB-6	Total/NA	Solid	8081A	75283

GC Semi VOA (Continued)

Analysis Batch: 75329 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-29481-7	1012 SB-7	Total/NA	Solid	8081A	75283
720-29481-11	1012 SB-11-3'	Total/NA	Solid	8081A	75283
720-29481-12	1012 SB-11-6'	Total/NA	Solid	8081A	75283
720-29481-13	1012 SB-11-9'	Total/NA	Solid	8081A	75283
720-29481-15	1012 SB-11-15'	Total/NA	Solid	8081A	75283

Analysis Batch: 75388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-75283/2-A	LCS 720-75283/2-A	Total/NA	Solid	8081A	75283
LCSD 720-75283/3-A	LCSD 720-75283/3-A	Total/NA	Solid	8081A	75283
720-29481-14	1012 SB-11-12'	Total/NA	Solid	8081A	75283
720-29481-4	1012 SB-4	Total/NA	Solid	8081A	75283

Metals

Prep Batch: 75166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75166/1-A	MB 720-75166/1-A	Total/NA	Solid	7471A	
LCS 720-75166/2-A	LCS 720-75166/2-A	Total/NA	Solid	7471A	
LCSD 720-75166/3-A	LCSD 720-75166/3-A	Total/NA	Solid	7471A	
720-29454-A-6-I MS	720-29454-A-6-I MS	Total/NA	Solid	7471A	
720-29454-A-6-J MSD	720-29454-A-6-J MSD	Total/NA	Solid	7471A	
720-29481-1	1012 SB-1	Total/NA	Solid	7471A	
720-29481-2	1012 SB-2	Total/NA	Solid	7471A	
720-29481-3	1012 SB-3	Total/NA	Solid	7471A	
720-29481-4	1012 SB-4	Total/NA	Solid	7471A	
720-29481-5	1012 SB-5	Total/NA	Solid	7471A	

Prep Batch: 75181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75181/1-A	MB 720-75181/1-A	Total/NA	Solid	3050B	
LCS 720-75181/2-A	LCS 720-75181/2-A	Total/NA	Solid	3050B	
LCSD 720-75181/3-A	LCSD 720-75181/3-A	Total/NA	Solid	3050B	
720-29481-6 MS	1012 SB-6	Total/NA	Solid	3050B	
720-29481-6 MSD	1012 SB-6	Total/NA	Solid	3050B	
720-29481-6	1012 SB-6	Total/NA	Solid	3050B	
720-29481-7	1012 SB-7	Total/NA	Solid	3050B	
720-29481-11	1012 SB-11-3'	Total/NA	Solid	3050B	
720-29481-12	1012 SB-11-6'	Total/NA	Solid	3050B	
720-29481-13	1012 SB-11-9'	Total/NA	Solid	3050B	
720-29481-14	1012 SB-11-12'	Total/NA	Solid	3050B	
720-29481-15	1012 SB-11-15'	Total/NA	Solid	3050B	
720-29481-1	1012 SB-1	Total/NA	Solid	3050B	
LCSSRM 720-75181/25-A	LCSSRM 720-75181/25-A	Total/NA	Solid	3050B	

Prep Batch: 75198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75198/1-A	MB 720-75198/1-A	Total/NA	Solid	3050B	
LCS 720-75198/2-A	LCS 720-75198/2-A	Total/NA	Solid	3050B	
LCSD 720-75198/3-A	LCSD 720-75198/3-A	Total/NA	Solid	3050B	
720-29481-2 MS	1012 SB-2	Total/NA	Solid	3050B	
720-29481-2 MSD	1012 SB-2	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 75198 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-29481-2	1012 SB-2	Total/NA	Solid	3050B	
720-29481-3	1012 SB-3	Total/NA	Solid	3050B	
720-29481-4	1012 SB-4	Total/NA	Solid	3050B	
720-29481-5	1012 SB-5	Total/NA	Solid	3050B	
LCSSRM 720-75198/25-A	LCSSRM 720-75198/25-A	Total/NA	Solid	3050B	

Analysis Batch: 75238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75166/1-A	MB 720-75166/1-A	Total/NA	Solid	7471A	75166
LCS 720-75166/2-A	LCS 720-75166/2-A	Total/NA	Solid	7471A	75166
LCSD 720-75166/3-A	LCSD 720-75166/3-A	Total/NA	Solid	7471A	75166
720-29454-A-6-I MS	720-29454-A-6-I MS	Total/NA	Solid	7471A	75166
720-29454-A-6-J MSD	720-29454-A-6-J MSD	Total/NA	Solid	7471A	75166
720-29481-1	1012 SB-1	Total/NA	Solid	7471A	75166
720-29481-2	1012 SB-2	Total/NA	Solid	7471A	75166
720-29481-3	1012 SB-3	Total/NA	Solid	7471A	75166
720-29481-4	1012 SB-4	Total/NA	Solid	7471A	75166
720-29481-5	1012 SB-5	Total/NA	Solid	7471A	75166

Analysis Batch: 75267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75198/1-A	MB 720-75198/1-A	Total/NA	Solid	6010B	75198
LCS 720-75198/2-A	LCS 720-75198/2-A	Total/NA	Solid	6010B	75198
LCSD 720-75198/3-A	LCSD 720-75198/3-A	Total/NA	Solid	6010B	75198
720-29481-2 MS	1012 SB-2	Total/NA	Solid	6010B	75198
720-29481-2 MSD	1012 SB-2	Total/NA	Solid	6010B	75198
720-29481-2	1012 SB-2	Total/NA	Solid	6010B	75198
720-29481-3	1012 SB-3	Total/NA	Solid	6010B	75198
720-29481-4	1012 SB-4	Total/NA	Solid	6010B	75198
720-29481-5	1012 SB-5	Total/NA	Solid	6010B	75198
LCSSRM 720-75198/25-A	LCSSRM 720-75198/25-A	Total/NA	Solid	6010B	75198

Analysis Batch: 75292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-75181/1-A	MB 720-75181/1-A	Total/NA	Solid	6010B	75181
LCS 720-75181/2-A	LCS 720-75181/2-A	Total/NA	Solid	6010B	75181
LCSD 720-75181/3-A	LCSD 720-75181/3-A	Total/NA	Solid	6010B	75181
720-29481-6 MS	1012 SB-6	Total/NA	Solid	6010B	75181
720-29481-6 MSD	1012 SB-6	Total/NA	Solid	6010B	75181
720-29481-6	1012 SB-6	Total/NA	Solid	6010B	75181
720-29481-7	1012 SB-7	Total/NA	Solid	6010B	75181
720-29481-11	1012 SB-11-3'	Total/NA	Solid	6010B	75181
720-29481-12	1012 SB-11-6'	Total/NA	Solid	6010B	75181
720-29481-13	1012 SB-11-9'	Total/NA	Solid	6010B	75181
720-29481-14	1012 SB-11-12'	Total/NA	Solid	6010B	75181
720-29481-15	1012 SB-11-15'	Total/NA	Solid	6010B	75181
720-29481-1	1012 SB-1	Total/NA	Solid	6010B	75181
LCSSRM 720-75181/25-A	LCSSRM 720-75181/25-A	Total/NA	Solid	6010B	75181

Analysis Batch: 75301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-29481-3	1012 SB-3	Total/NA	Solid	6010B	75198

Certification Summary

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica San Francisco	California	State Program	9	2496	01/31/12

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Santa Clara Valley Water Dist
Project/Site: Permanente Creek

TestAmerica Job ID: 720-29481-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SF
8081A	Organochlorine Pesticides (GC)	SW846	TAL SF
6010B	Metals (ICP)	SW846	TAL SF
7471A	Mercury (CVAA)	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Santa Clara Valley Water Dist
Project/Site: Permanente Creek

TestAmerica Job ID: 720-29481-1

Lab Sample ID	Client Sample ID	Matrix	Sampled	Received
720-29481-1	1012 SB-1	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-2	1012 SB-2	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-3	1012 SB-3	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-4	1012 SB-4	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-5	1012 SB-5	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-6	1012 SB-6	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-7	1012 SB-7	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-8	1012 SB-8	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-9	1012 SB-9	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-10	1012 SB-10	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-11	1012 SB-11-3'	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-12	1012 SB-11-6'	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-13	1012 SB-11-9'	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-14	1012 SB-11-12'	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-15	1012 SB-11-15'	Solid	07/21/10 00:00	07/23/10 09:45

Santa Clara Valley Water District℠

5750 Almaden Expressway
San Jose, CA 95118-3614
Phone: (408) 265-2600
FAX: (408) 266-0271

720-29481

125823

CHAIN OF CUSTODY

FC 1019 (08-17-06)

Project/Site Name: Permanente Creek	Laboratory: Test America
Project Number:	Sampled by (Print): LAds
Site Location: Site 1	Requested by: Errol Gabrielson

Sample ID#	Date Sampled	Time Sampled	Matrix	No. of Samples	Turn Around Time	Analyses Requested TITLE 22 metals	8081 Pesticides	Fish Bioassay						Temp: 1.9°C, 0.6°C REMARKS
1012 SB-1	7/21/10		S	2	10	✓	✓	✓						
1012 SB 2	7/21/10		S	2	10	✓	✓	✓						
1012 SB 3	7/21/10		S	2	10	✓	✓	✓						
1012 SB 4	7/21/10		S	2	10	✓	✓	✓						
1012 SB5	7/21/10		S	2	10	✓	✓	✓						

MATRIX ABBREVIATION – Soil = S; Water = W; Product = P

Send FAX Results to: Errol Gabrielson

District Approval:

Authorization No.:

Relinquished by (Signatures)/Affiliation:	Please Print Name	Received by (Signatures)/Affiliation	Please Print Name	Date	Time
LAds	David Guthridge	/ TASF	Savio Motha	07/23/10	0830
	Savio Motha		Mullen	07/23/10	0945

Distribution: **ORIGINAL**–RETURN TO DISTRICT WITH RESULTS, **YELLOW**–Laboratory, **PINK**–District

Page 1 of 3

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3614
Phone: (408) 265-2600
FAX: (408) 266-0271

720-29481

125823

CHAIN OF CUSTODY

FC 1019 (08-17-06)

Project/Site Name: Permanente Creek	Laboratory: Test America
Project Number:	Sampled by (Print): LADS
Site Location: Site 57 & Site 5	Requested by: Errol Gabrielson

Sample ID#	Date Sampled	Time Sampled	Matrix	No. of Samples	Turn Around Time	Analyses Requested: Arsenic	LEAD	8081 Pesticides	CHLORINATED VOC				REMARKS
													Temp: 1.9°C, 0.6°C
1012 SB6	7/21/10		S	1	10	✓	✓	✓					
1012 SB7	7/21/10		S	1	10	✓	✓	✓					
1012 SB8	7/21/10		S	1	10				✓				
1012 SB9	7/21/10		S	1	10				✓				
1012 SB10	7/21/10		S	1	10				✓				

MATRIX ABBREVIATION – Soil = S; Water = W; Product = P

Send FAX Results to: Errol Gabrielson

District Approval:

Authorization No.:

Relinquished by (Signatures)/Affiliation:	Please Print Name	Received by (Signatures)/Affiliation	Please Print Name	Date	Time
LADS	David Guthridge	TASF	Savio Motha	07/23/10	0830
	Savio Motha.	Tom Mullen Test America	Mullen	07/23/10	0945

Distribution: **ORIGINAL**–RETURN TO DISTRICT WITH RESULTS, **YELLOW**–Laboratory, **PINK**–District

Page 2 of 3

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3614
Phone: (408) 265-2600
FAX: (408) 266-0271

720-29481

125823

CHAIN OF CUSTODY

FC 1019 (08-17-06)

Project/Site Name: Permanente Creek	Laboratory: Test America
Project Number:	Sampled by (Print): LADS
Site Location: Site 67	Requested by: Errol Gebrelson

Sample ID#	Date Sampled	Time Sampled	Matrix	No. of Samples	Turn Around Time	Analyses Requested: Arsenic	Lead	8081 Pesticides					REMARKS
													Temp: 1.9°C, 0.6°C
1012 SB11 - 3'	7/21/10		S	1	10	✓	✓	✓					
1012 SB11 - 6'	7/21/10		S	1	10	✓	✓	✓					
1012 SB11 - 9'	7/21/10		S	1	10	✓	✓	✓					
1012 SB11 - 12'	7/21/10		S	1	10	✓	✓	✓					
1012 SB11 - 15'	7/21/10		S	1	10	✓	✓	✓					

MATRIX ABBREVIATION – Soil = S; Water = W; Product = P

Send FAX Results to: Errol Gebrelson

District Approval:

Authorization No.:

Relinquished by (Signatures)/Affiliation:	Please Print Name	Received by (Signatures)/Affiliation	Please Print Name	Date	Time
LADS	David Guthridge	/ TASF	Savio Motha	07/23/10	0830
	Savio Motha	[illegible] Mullen TestAmerica	Mullen	07/23/10	0945

Distribution: **ORIGINAL**–RETURN TO DISTRICT WITH RESULTS, **YELLOW**–Laboratory, **PINK**–District

Page 3 of 3

Login Sample Receipt Check List

Client: Santa Clara Valley Water Dist

Job Number: 720-29481-1

Login Number: 29481

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	NO TIMES
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

1 2 3 4 5 6 7 8 9 10 11 12 13

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-29481-3
Client Project/Site: Permanente Creek

For:
Santa Clara Valley Water Dist
5750 Almaden Expressway
San Jose, California 95118-3614

Attn: Errol Gibrielson

Surinder Sidhu

Authorized for release by:
9/13/2010 11:21 AM

Surinder Sidhu
Customer Service Manager
surinder.sidhu@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions 3
Case Narrative 4
Detection Summary 5
Client Sample Results 6
QC Sample Results 7
QC Association 8
Certification Summary 9
Method Summary 10
Sample Summary 11
Chain of Custody 12
Sample Receipt Checklist 13

Qualifier Definition/Glossary

Glossary

Glossary	Glossary Description
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis.

Job Narrative
720-29481-3

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
No analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

Detection Summary

Client Sample ID: 1012 SB-2 Lab Sample ID: 720-29481-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.1		0.050		mg/L	1		6010B	STLC Citrate

Client Sample ID: 1012 SB-3 Lab Sample ID: 720-29481-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.6		0.050		mg/L	1		6010B	STLC Citrate

Client Sample ID: 1012 SB-11-12' Lab Sample ID: 720-29481-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2.7		0.050		mg/L	1		6010B	STLC Citrate

Client Sample ID: 1012 SB-2

Lab Sample ID: 720-29481-2

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45
Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**4.1**		0.050		mg/L		09/10/10 08:23	09/10/10 10:55	1

Client Sample ID: 1012 SB-3

Lab Sample ID: 720-29481-3

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45
Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**6.6**		0.050		mg/L		09/10/10 08:23	09/10/10 11:00	1

Client Sample ID: 1012 SB-11-12'

Lab Sample ID: 720-29481-14

Date Collected: 07/21/10 00:00
Date Received: 07/23/10 09:45
Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**2.7**		0.050		mg/L		09/10/10 08:23	09/10/10 11:04	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-77737/1-A
Matrix: Water
Analysis Batch: 77770

Client Sample ID: MB 720-77737/1-A
Prep Type: Total Recoverable
Prep Batch: 77737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		09/10/10 08:23	09/10/10 09:59	1

Lab Sample ID: LCS 720-77737/2-A
Matrix: Water
Analysis Batch: 77770

Client Sample ID: LCS 720-77737/2-A
Prep Type: Total Recoverable
Prep Batch: 77737

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: LCSD 720-77737/3-A
Matrix: Water
Analysis Batch: 77770

Client Sample ID: LCSD 720-77737/3-A
Prep Type: Total Recoverable
Prep Batch: 77737

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Lead	1.00	0.997		mg/L		100	80 - 120	3	20

Lab Sample ID: 720-30228-A-11-H MS
Matrix: Solid
Analysis Batch: 77770

Client Sample ID: 720-30228-A-11-H MS
Prep Type: STLC Citrate
Prep Batch: 77737

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	% Rec	% Rec. Limits
Lead	ND		10.0	10.7		mg/L		107	75 - 125

Lab Sample ID: 720-30228-A-11-I MSD
Matrix: Solid
Analysis Batch: 77770

Client Sample ID: 720-30228-A-11-I MSD
Prep Type: STLC Citrate
Prep Batch: 77737

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	% Rec	% Rec. Limits	RPD	RPD Limit
Lead	ND		10.0	10.4		mg/L		103	75 - 125	3	20

QC Association Summary

Client: Santa Clara Valley Water Dist
Project/Site: Permanente Creek

TestAmerica Job ID: 720-29481-3

Metals

Leach Batch: 77564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-30228-A-11-H MS	720-30228-A-11-H MS	STLC Citrate	Solid	CA WET Citrate	
720-30228-A-11-I MSD	720-30228-A-11-I MSD	STLC Citrate	Solid	CA WET Citrate	
720-29481-2	1012 SB-2	STLC Citrate	Solid	CA WET Citrate	
720-29481-3	1012 SB-3	STLC Citrate	Solid	CA WET Citrate	
720-29481-14	1012 SB-11-12'	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 77737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-77737/1-A	MB 720-77737/1-A	Total Recoverable	Water	3005A	
720-29481-14	1012 SB-11-12'	STLC Citrate	Solid	3005A	77564
LCS 720-77737/2-A	LCS 720-77737/2-A	Total Recoverable	Water	3005A	
LCSD 720-77737/3-A	LCSD 720-77737/3-A	Total Recoverable	Water	3005A	
720-30228-A-11-H MS	720-30228-A-11-H MS	STLC Citrate	Solid	3005A	77564
720-30228-A-11-I MSD	720-30228-A-11-I MSD	STLC Citrate	Solid	3005A	77564
720-29481-2	1012 SB-2	STLC Citrate	Solid	3005A	77564
720-29481-3	1012 SB-3	STLC Citrate	Solid	3005A	77564

Analysis Batch: 77770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-77737/1-A	MB 720-77737/1-A	Total Recoverable	Water	6010B	77737
720-29481-2	1012 SB-2	STLC Citrate	Solid	6010B	77737
720-29481-3	1012 SB-3	STLC Citrate	Solid	6010B	77737
720-29481-14	1012 SB-11-12'	STLC Citrate	Solid	6010B	77737
LCS 720-77737/2-A	LCS 720-77737/2-A	Total Recoverable	Water	6010B	77737
LCSD 720-77737/3-A	LCSD 720-77737/3-A	Total Recoverable	Water	6010B	77737
720-30228-A-11-H MS	720-30228-A-11-H MS	STLC Citrate	Solid	6010B	77737
720-30228-A-11-I MSD	720-30228-A-11-I MSD	STLC Citrate	Solid	6010B	77737

Certification Summary

Client: Santa Clara Valley Water Dist
Project/Site: Permanente Creek

TestAmerica Job ID: 720-29481-3

Laboratory	Authority	Program	EPA Region	Certification ID	Expiration Date
TestAmerica San Francisco	California	State Program	9	2496	01/31/12

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: Santa Clara Valley Water Dist
Project/Site: Permanente Creek

TestAmerica Job ID: 720-29481-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SF = TestAmerica San Francisco, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-29481-2	1012 SB-2	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-3	1012 SB-3	Solid	07/21/10 00:00	07/23/10 09:45
720-29481-14	1012 SB-11-12'	Solid	07/21/10 00:00	07/23/10 09:45

Sidhu, Surinder 720-29481-3

From: dguthridge@lightairandspace.com
Sent: Thursday, September 02, 2010 9:02 AM
To: Sidhu, Surinder

Surinder,

Please run STLC Lead analysis on samples SB-2, SB-3 and SB-11 from the Permanente Creek soil samples your file number 720-29481-1.

Please confirm receipt of this e-mail and let me know if you have any questions.

Dave

David B. Guthridge
Light, Air and Space Construction
P.O. Box 36303
San Jose, CA 95158
office: 408-979-0661
fax: 408-979-0621
cell: 408-640-2899
e-mail: dguthridge@lightairandspace.com

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Login Sample Receipt Check List

Client: Santa Clara Valley Water Dist

Job Number: 720-29481-3

Login Number: 29481

List Source: TestAmerica San Francisco

Creator: Mullen, Joan

List Number: 1

Question	**T / F/ NA**	**Comment**
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	NO TIMES
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

BES

BLOCK ENVIRONMENTAL SERVICES

2451 Estand Way
Pleasant Hill, CA 94523-3911
(925) 682-7200 FAX 686-0399

Hazardous Waste Aquatic Toxicity Screening Test Results for Five Solid Samples (Job: #720-29481-1)

Prepared For:
Surinder Sidhu
TestAmerica Analytical Testing Corp.
1220 Quarry Lane
Pleasanton, CA 94566-4756

BES Sample #27045-49

Prepared By:
Block Environmental Services, Inc.
2451 Estand Way
Pleasant Hill, CA 94523-3911
(925) 682-7200

August 2, 2010

N Bradbury
Nanette Bradbury
Laboratory Manager

David Block, Ph.D.
Laboratory Director

1. INTRODUCTION

The California Department of Toxic Substances Control has adopted regulations (R-45-78) which define criteria for the identification of hazardous wastes. These criteria are codified in Chapter 11, Article 3 of Title 22 of the California Code of Regulations. Toxicity to aquatic life, specifically fish, is one of the criteria used to gauge the hazardous potential of a waste. An acute 96-hour bioassay is used to determine the LC50 as defined in Section 66261.24(a)(6) of these regulations. This 96-hour LC50 value serves as the numerical indicator of the toxicity of a waste to aquatic life. The sample is deemed hazardous if the LC50 is less than 500 mg/L.

This report describes the procedures used and the results obtained for the hazardous waste aquatic toxicity screening test(s) performed by Block Environmental Services (BES) for TestAmerica Analytical Testing Corp.

BES is an Environmental Laboratory Accreditation Program certified laboratory (#1812).

2. MATERIALS AND METHODS

2.1 TEST ORGANISMS

- Rainbow Trout (*Oncorhynchus mykiss)*, obtained from a commercial supplier.

2.2 TEST PROCEDURES

A detailed procedure for this test is outlined in DPHS-ELAP approved standard operating procedures (SOPs), which are on file at the BES laboratory. These SOPs are based upon the following references:

- California's Title 22 Code, Section #66261.24(a)(6); *Static Acute Bioassay Procedures for Hazardous Waste Samples*, Polisini and Miller, 1988, California Department of Fish and Game
- *Guidelines for Performing Static Acute Toxicity Fish Bioassays in Municipal and Industrial Wastewaters*, Kopperdahl, 1976, California Department of Fish and Game
- *Standard Methods for the Examination of Water and Wastewater*, 19th Edition, American Public Health Association, 1995.

2.3 DATA ANALYSIS

All toxicity testing results will be analyzed using an appropriate statistical method to determine a LC50 and the corresponding 95% confidence limits.

3. RESULTS

3.1 SAMPLE IDENTIICATION

Client Sample Identification	BES Sample #	Sample Collection Date	Date Received	Testing Period
1012 SB-1	27045	07/21/10	07/26/10	07/27/10-07/31/10
1012 SB-2	27046	07/21/10	07/26/10	07/27/10-07/31/10
1012 SB-3	27047	07/21/10	07/26/10	07/27/10-07/31/10
1012 SB-4	27048	07/21/10	07/26/10	07/27/10-07/31/10
1012 SB-5	27049	07/21/10	07/26/10	07/27/10-07/31/10

3.2 SAMPLE DESCRIPTION

Client Sample Identification	Sample Type	Appearance	Odor
1012 SB-1	Solid	Brown dirt	None
1012 SB-2	Solid	Brown dirt	None
1012 SB-3	Solid	Brown dirt	None
1012 SB-4	Solid	Brown dirt/rocks	None
1012 SB-5	Solid	Brow dirt/rocks	None

3.3 *O. mykiss* TEST RESULTS

Sample Identification	Sample 96-Hour Percent Survival			
	Control	250 mg/L	500 mg/L	750 mg/L
1012 SB-1	100	100	100	100
1012 SB-2	100	100	100	100
1012 SB-3	100	100	100	100
1012 SB-4	100	100	100	100
1012 SB-5	100	100	100	100

3.4 STATISTICAL ANALYSIS

Sample Identification	Sample 96-Hour Percent Survival		
	LC50 (mg/L)	95% Upper Confidence Limit (mg/L)	95% Lower Confidence Limit (mg/L)
1012 SB-1	>750	NA	NA
1012 SB-2	>750	NA	NA
1012 SB-3	>750	NA	NA
1012 SB-4	>750	NA	NA
1012 SB-5	>750	NA	NA

NA - Not applicable

3.5 NOTES

The photocopied data sheet(s) and chain-of-custody for testing, are attached. If you have any questions concerning this report please contact the BES laboratory, (925) 682 – 7200.

BLOCK ENVIRONMENTAL SERVICES RUSH!

Hazardous Waste Screening Test Data Sheet

Client: TAL
Client ID #: 1012-SD-1
BES Sample #: 27045
Sample Matrix: [X] Solid [ ] Liquid
Batch Date: 7-19-10
Control Water: CRW/DI
Species: O. mykiss
Common Name: Rainbow trout
Stock Date: 6-1-10
Avg. Fish Length (mm): 36.3
Avg. Fish Weight (g): 0.3299
Max. > 1.5 times Min. [ ]L. [X]W.

Treatment (mg/L)	Survival		D.O. (mg/L)		pH		Temperature (°C)		Technician
	A	B	A	B	A	B	A	B	
Control	10	10	10.8	10.9	7.9	7.9	13.0	13.0	Tech: NB
250	10	10	10.8	10.8	7.9	7.9	13.0	13.0	
500	10	10	10.8	10.7	7.9	7.9	13.0	13.0	Date: 7/27/10
750	10	10	10.8	10.9	7.9	7.9	13.0	13.0	Time: 1040
Control	10	10	7.4	7.6	7.1	7.1	12.2	12.2	Tech: SC
250	10	10	7.1	6.8	7.1	7.1	12.4	12.5	
500	10	10	6.6	6.7	7.1	7.1	12.2	12.3	Date: 7-28-10
750	10	10	6.4	6.6	7.1	7.1	12.3	12.3	Time: 1140
Control	10	10	7.8	7.9	7.0	7.0	11.6	11.7	Tech: SC
250	10	10	8.4	7.1	7.0	7.0	11.8	12.0	
500	10	10	7.6	8.5	7.0	7.~~0~~2	11.8	11.8	Date: 7-29-10
750	10	10	9.8	8.1	7.2	7.2	12.0	12.0	Time: 1340
Control	10	10	8.0	8.2	7.1	7.1	11.9	11.8	Tech: MAG
250	10	10	8.5	7.5	7.1	7.1	11.9	12.1	
500	10	10	7.9	8.7	7.2	7.2	11.8	12.0	Date: 7-30-10
750	10	10	9.4	9.2	7.2	7.2	11.9	12.0	Time: 1000
Control	10	10	8.3	8.0	7.1	7.1	12.0	11.9	Tech: MAG
250	10	10	8.6	7.8	7.2	7.2	11.9	12.0	
500	10	10	7.9	8.9	7.2	7.2	12.0	12.1	Date: 7-31-10
750	10	10	9.1	9.5	7.2	7.2	12.1	12.1	Time: 1040

Chemistries:

	Initial SC		Final MAG	
	Control	750 mg/L	Control	750 mg/L
Hardness (mg/L as $CaCO_3$)	44	40	42	44
Alkalinity (mg/L as $CaCO_3$)	28	28	32	32
Conductivity (µS/cm)	186	187	203	224

Notes: Brown dirt no odor
All tanks aerated 7-28-10 due to low D.O. levels via 1 ml pipettes at approx. 100 bubbles per minute. SC

96 hour LC50: >750 mg/L
LC50 Method: NA
95% Upper Confidence Limit: NA
95% Lower Confidence Limit: NA
NA – Not applicable

Test Supervisor: N Bradbury
QA/QC Check:

BLOCK ENVIRONMENTAL SERVICES

Hazardous Waste Screening Test Data Sheet

RUSH!

Client: TAL
Client ID #: 1012-SB-2
BES Sample #: 27046
Sample Matrix: [✓] Solid [ ] Liquid
Batch Date: 7-19-10
Control Water: CTW/DI
Species: O. mykiss
Common Name: Rainbow trout
Stock Date: 6-1-10
Avg. Fish Length (mm): 36.3
Avg. Fish Weight (g): 0.3799
Max. > 1.5 times Min. [ ]L. [✓]W.

Treatment (mg/L)	Survival		D.O. (mg/L)		pH		Temperature (°C)		Technician
	A	B	A	B	A	B	A	B	
Control	10	10	10.8	10.9	7.9	7.9	13.0	13.0	Tech: NB
250	10	10	10.9	10.8	7.9	7.9	13.0	13.0	
500	10	10	10.8	10.8	7.9	7.9	13.0	13.0	Date: 7/27/10
750	10	10	10.8	10.8	7.9	7.9	13.0	13.0	Time: 1040
Control	10	10	7.4	7.6	7.1	7.1	12.2	12.2	Tech: SC
250	10	10	7.2	7.0	7.1	7.1	12.3	12.3	
500	10	10	6.5	6.0	7.1	7.0	12.3	12.2	Date: 7-28-10
750	10	10	6.0	6.1	7.0	7.0	12.2	12.2	Time: 1140
Control	10	10	7.8	7.9	7.0	7.0	11.6	11.7	Tech: SC
250	10	10	8.6	9.1	7.1	7.1	12.0	12.0	
500	10	10	10.2	9.9	7.2	7.2	11.8	11.6	Date: 7-29-10
750	10	10	7.3	9.7	7.1	7.1	11.7	11.7	Time: 1340
Control	10	10	8.0	8.2	7.1	7.1	11.9	11.8	Tech: MAG
250	10	10	8.5	9.0	7.2	7.2	12.0	12.0	
500	10	10	9.3	9.8	7.2	7.2	12.0	11.7	Date: 7-30-10
750	10	10	8.3	9.1	7.2	7.2	11.7	11.6	Time: 1000
Control	10	10	8.3	8.0	7.1	7.1	12.0	11.9	Tech: MAG
250	10	10	8.7	9.3	7.2	7.2	12.1	12.1	
500	10	10	9.1	9.4	7.2	7.2	12.0	11.8	Date: 7-31-10
750	10	10	8.7	8.9	7.2	7.2	11.9	11.9	Time: 1040

Chemistries:

	Initial SC		Final MAG	
	Control	750 mg/L	Control	750 mg/L
Hardness (mg/L as $CaCO_3$)	44	32	42	40
Alkalinity (mg/L as $CaCO_3$)	28	22	32	32
Conductivity (µS/cm)	186	186	203	205

Notes: Brown dirt, no odor
All tanks aerated 7-28-10 due to low D.O. levels via 1ml pipettes at approx. 100 bubbles per minute. SC

96 hour LC50: >750 mg/L
LC50 Method: NA
95% Upper Confidence Limit: NA
95% Lower Confidence Limit: NA
NA – Not applicable

Test Supervisor: N Bradbury
QA/QC Check:

BLOCK ENVIRONMENTAL SERVICES

RUSH!

Hazardous Waste Screening Test Data Sheet

Client: TAL
Client ID #: 1012-SB-3
BES Sample #: 27047
Sample Matrix: [X]Solid [ ] Liquid
Batch Date: 7-19-10
Control Water: CRW/DI
Species: O. mykiss
Common Name: Rainbow trout
Stock Date: 6-1-10
Avg. Fish Length (mm): 36.3
Avg. Fish Weight (g): 0.3299
Max. > 1.5 times Min. [ ]L. [X] W.

Treatment (mg/L)	**Survival** A	**Survival** B	**D.O.** (mg/L) A	**D.O.** (mg/L) B	**pH** A	**pH** B	**Temperature** (°C) A	**Temperature** (°C) B	**Technician**
Control	10	10	10.8	10.9	7.9	7.9	13.0	13.0	Tech: NB
250	10	10	10.8	10.9	7.9	7.9	13.0	13.0	
500	10	10	10.8	10.7	7.9	7.9	13.0	13.0	Date: 7/27/10
750	10	10	10.8	10.8	7.9	7.9	13.0	13.0	Time: 1040
Control	10	10	7.4	7.6	7.1	7.1	12.2	12.2	Tech: SC
250	10	10	5.8	6.7	6.9	6.9	12.1	12.1	
500	10	10	7.2	7.2	6.9	7.0	12.0	11.9	Date: 7-28-10
750	10	10	6.7	5.9	6.9	6.9	12.2	12.2	Time: 1140
Control	10	10	7.8	7.9	7.0	7.0	11.6	11.7	Tech: SC
250	10	10	8.0	7.9	7.1	7.1	11.7	11.6	
500	10	10	9.0	9.9	7.1	7.1	11.5	11.4	Date: 7-29-10
750	10	10	9.0	8.6	7.1	7.1	11.7	11.8	Time: 1340
Control	10	10	8.0	8.2	7.1	7.1	11.9	11.8	Tech: MAH
250	10	10	8.4	8.5	7.3	7.2	11.6	11.6	
500	10	10	8.4	9.6	7.2	7.2	11.5	11.4	Date: 7-30-10
750	10	10	8.9	8.6	7.2	7.2	11.7	11.7	Time: 1000
Control	10	10	8.3	8.0	7.1	7.1	12.0	11.9	Tech: MAG
250	10	10	8.1	8.6	7.3	7.3	11.8	11.7	
500	10	10	8.4	9.8	7.3	7.3	11.7	11.5	Date: 7-31-10
750	10	10	8.8	9.1	7.2	7.2	11.9	12.0	Time: 1046

Chemistries:

	Initial SC Control	Initial 750 mg/L	Final MAG Control	Final 750 mg/L
Hardness (mg/L as $CaCO_3$)	44	34	42	42
Alkalinity (mg/L as $CaCO_3$)	28	28	32	36
Conductivity (µS/cm)	186	186	203	208

Notes: Brown dirt, rocks, no odor
All tanks aerated 7-28-10 due to low D.O. levels via 1ml pipettes at approx. 100 bubbles per minute - SC

96 hour LC50: >750 mg/L
LC50 Method: NA
95% Upper Confidence Limit: NA
95% Lower Confidence Limit: NA
NA – Not applicable

Test Supervisor: N Bradbury
QA/QC Check: K

BLOCK ENVIRONMENTAL SERVICES

RUSH!

Hazardous Waste Screening Test Data Sheet

Client: TAL
Client ID #: 1012-SB-4
BES Sample #: 27048
Sample Matrix: [X] Solid [ ] Liquid
Batch Date: 7-19-10
Control Water: ctw/DI
Species: O. mykiss
Common Name: rainbow trout
Stock Date: 6-1-10
Avg. Fish Length (mm): 36.3
Avg. Fish Weight (g): 0.3299
Max. > 1.5 times Min. [ ]L. [X]W.

Treatment (mg/L)	**Survival** A	**Survival** B	**D.O.** (mg/L) A	**D.O.** (mg/L) B	**pH** A	**pH** B	**Temperature** (°C) A	**Temperature** (°C) B	**Technician**
Control	10	10	10.8	10.9	7.9	7.9	13.0	13.0	Tech: NB
250	10	10	10.8	10.8	7.9	7.9	13.0	13.0	
500	10	10	10.9	10.9	7.9	7.9	13.0	13.0	Date: 7/27/10
750	10	10	10.9	10.8	7.9	7.9	13.0	13.0	Time: 1040
Control	10	10	7.4	7.6	7.1	7.1	12.2	12.2	Tech: sc
250	10	10	6.9	6.7	7.0	6.9	12.3	12.3	
500	10	10	6.6	6.4	6.9	6.9	12.2	12.2	Date: 7-28-10
750	10	10	6.1	6.6	6.9	6.9	12.0	12.3	Time: 1140
Control	10	10	7.8	7.9	7.0	7.0	11.6	11.7	Tech: sc
250	10	10	8.3	9.9	7.1	7.1	11.9	11.8	
500	10	10	9.4	8.0	7.1	7.1	11.8	11.7	Date: 7-29-10
750	10	10	8.0	6.5	7.1	7.1	11.6	11.6	Time: 1340
Control	10	10	8.0	8.2	7.1	7.1	11.9	11.8	Tech: MMG
250	10	10	8.0	9.0	7.2	7.2	11.8	11.8	
500	10	10	9.5	9.1	7.2	7.2	11.7	11.7	Date: 7-30-10
750	10	10	8.3	9.1	7.2	7.2	11.6	11.7	Time: 1000
Control	10	10	8.3	8.0	7.1	7.1	12.0	11.9	Tech: MMG
250	10	10	8.1	9.5	7.2	7.2	11.9	11.9	
500	10	10	9.3	9.0	7.2	7.2	11.9	11.9	Date: 7-31-10
750	10	10	8.4	9.2	7.2	7.2	12.0	11.9	Time: 1040

Chemistries:

	Initial (sc) Control	Initial 750 mg/L	Final (MMG) Control	Final 750 mg/L
Hardness (mg/L as $CaCO_3$)	44	46	42	42
Alkalinity (mg/L as $CaCO_3$)	28	26	32	30
Conductivity (µS/cm)	186	186	203	207

Notes: Brown dirt, rocks, no odor
All tanks aerated 7-28-10 due to low D.O. levels via 1ml pipettes at approx. 100 bubbles per minute. sc

96 hour LC50: >750 mg/L
LC50 Method: NA
95% Upper Confidence Limit: NA
95% Lower Confidence Limit: NA
NA – Not applicable

Test Supervisor: N Bradbury
QA/QC Check: K Ocos

BLOCK ENVIRONMENTAL SERVICES

Hazardous Waste Screening Test Data Sheet

RUSH!

Client: TAL
Client ID #: 1012-SB-5
BES Sample #: 27049
Sample Matrix: [✓] Solid [ ] Liquid
Batch Date: 7-19-10
Control Water: CENDE
Species: O. mykiss
Common Name: rainbow trout
Stock Date: 6-1-10
Avg. Fish Length (mm): 36.3
Avg. Fish Weight (g): 0.3299
Max. > 1.5 times Min. [ ]L. [✓]W.

Treatment (mg/L)	**Survival** A	**Survival** B	**D.O.** (mg/L) A	**D.O.** (mg/L) B	**pH** A	**pH** B	**Temperature** (°C) A	**Temperature** (°C) B	**Technician**
Control	10	10	10.8	10.9	7.9	7.9	13.0	13.0	Tech: NB
250	10	10	10.8	10.8	7.9	7.9	13.0	13.0	
500	10	10	10.8	10.8	7.9	7.9	13.6	13.0	Date: 7/27/10
750	10	10	10.8	10.8	8.0	8.0	13.0	13.0	Time: 1040
Control	10	10	7.4	7.6	7.1	7.1	12.2	12.2	Tech: SC
250	10	10	6.0	7.0	6.9	6.9	12.2	12.2	
500	10	10	6.3	5.9	6.9	6.9	12.1	12.1	Date: 7-28-10
750	10	10	5.8	6.4	6.9	6.9	12.1	12.2	Time: 1140
Control	10	10	7.8	7.9	7.0	7.0	11.6	11.7	Tech: SC
250	10	10	8.8	9.9	7.1	7.1	11.6	11.6	
500	10	10	9.6	8.1	7.1	7.1	11.5	11.6	Date: 7-29-10
750	10	10	8.0	7.9	7.1	7.1	11.6	11.7	Time: 1340
Control	10	10	8.0	8.2	7.1	7.1	11.9	11.8	Tech:
250	10	10	8.4	10.2	7.2	7.2	11.7	11.6	MAG
500	10	10	9.7	9.3	7.2	7.2	11.6	11.6	Date: 7-30-10
750	10	10	8.6	8.3	7.2	7.2	11.5	11.6	Time: 1000
Control	10	10	8.3	8.0	7.1	7.1	12.0	11.9	Tech:
250	10	10	8.6	10.0	7.2	7.2	11.8	11.9	MAG
500	10	10	9.9	9.1	7.2	7.2	11.8	11.8	Date: 7-31-10
750	10	10	8.3	8.7	7.2	7.2	11.8	11.8	Time: 1040

Chemistries:

	Initial SC		Final MAG	
	Control	750 mg/L	Control	750 mg/L
Hardness (mg/L as $CaCO_3$)	44	34	42	54
Alkalinity (mg/L as $CaCO_3$)	28	28	32	44
Conductivity (µS/cm)	186	188	203	228

Notes: Brown dirt rocks, no dirt
All tanks aerated 7-28-10 due to low D.O. levels via 1ml pipettes at approx. 100 bubbles per minute. SC.

96 hour LC50: >750 mg/L
LC50 Method: NA
95% Upper Confidence Limit: NA
95% Lower Confidence Limit: NA
NA – Not applicable

Test Supervisor: N Bradbury
QA/QC Check: K. Evans

TestAmerica San Francisco
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sidhu, Surinder	Carrier Tracking No(s):	COC No: 720-9546.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: surinder.sidhu@testamericainc.com		Page: Page 1 of 1
Company: Block Environmental Services		**Analysis Requested**		Job #: 720-29481-1
Address: 2451 Estand Way,	**Due Date Requested:** 8/3/2010			
City: Pleasant Hill	**TAT Requested (days):**			
State, Zip: CA, 94523				
Phone: 925-682-7200(Tel)	PO #:			
Email:	WO #:			
Project Name: Permanente Creek	Project #: 72006425			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Bioassy 96 hrs	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
27045 1012 SB-1 (720-29481-1)	7/21/10	Pacific		Solid			X	1	
27046 1012 SB-2 (720-29481-2)	7/21/10	Pacific		Solid			X	1	
27047 1012 SB-3 (720-29481-3)	7/21/10	Pacific		Solid			X	1	
27048 1012 SB-4 (720-29481-4)	7/21/10	Pacific		Solid			X	1	
27049 1012 SB-5 (720-29481-5)	7/21/10	Pacific		Solid			X	1	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time: 07/26/10 @ 1110	Company TASF	Received by:	Date/Time: 7/26/10 11:10	Company BES
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: